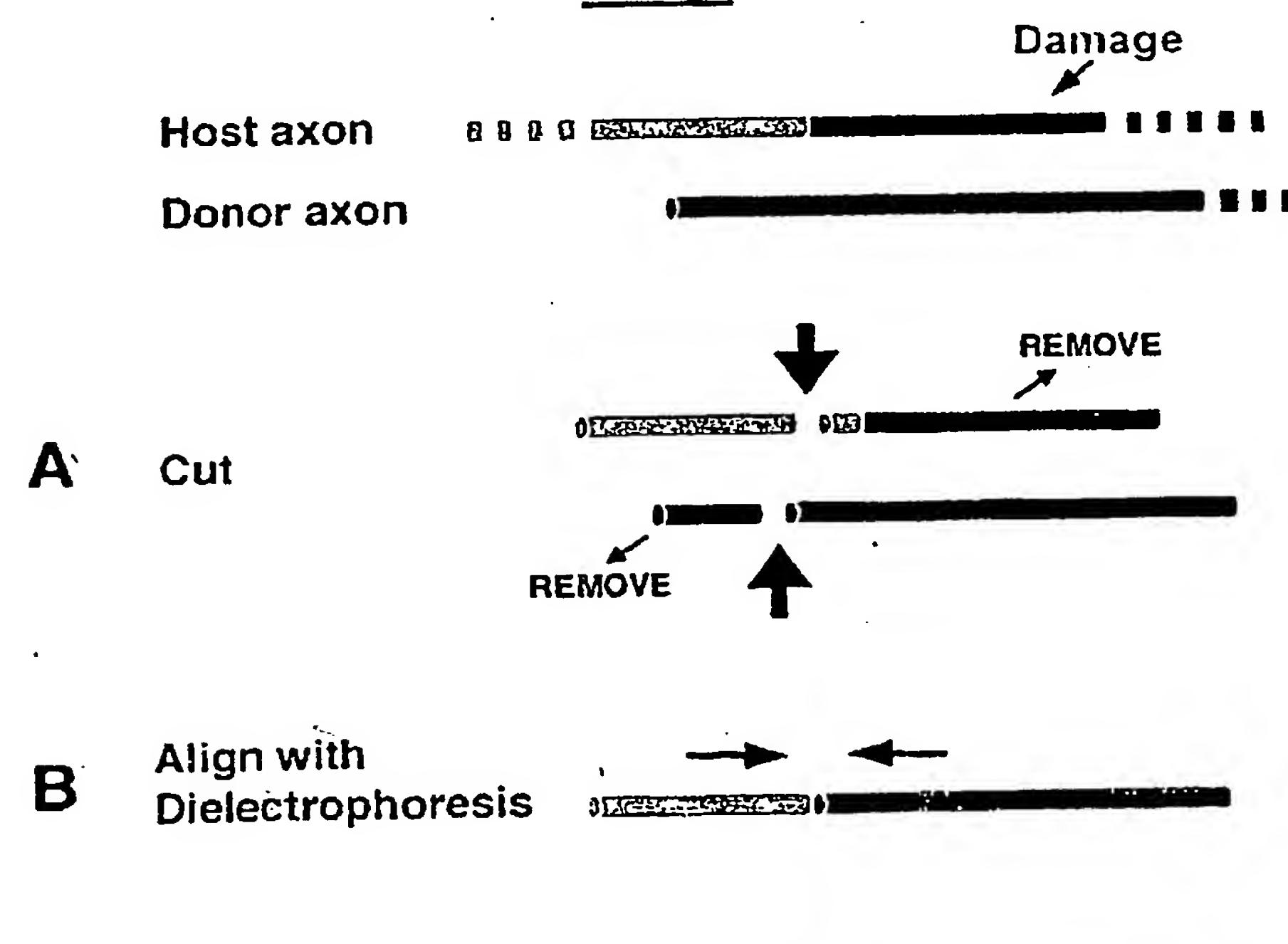
FIG. 1

Repaired Axon

FIG. 2

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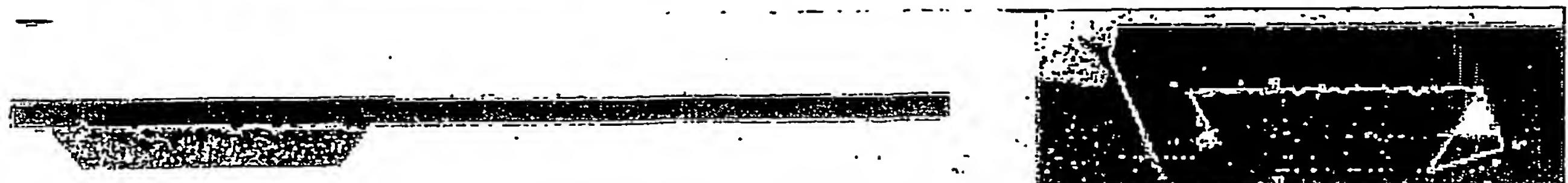
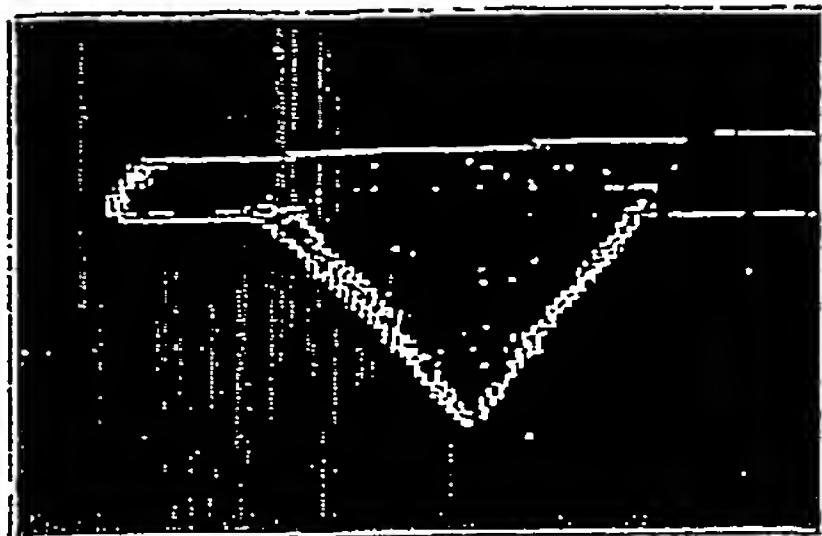


FIG. 3A-D

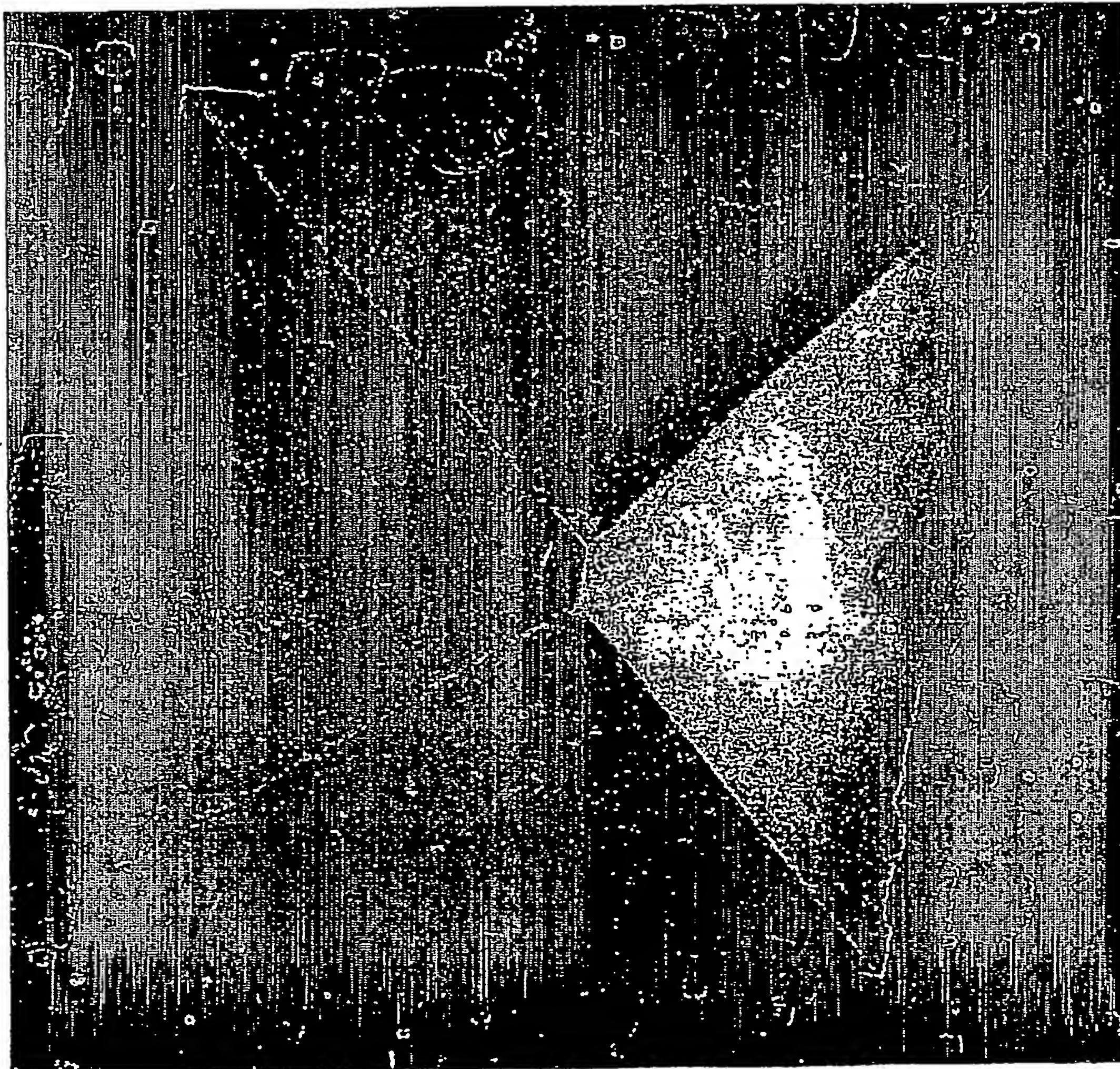


FIG. 3E

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FIG. 3F

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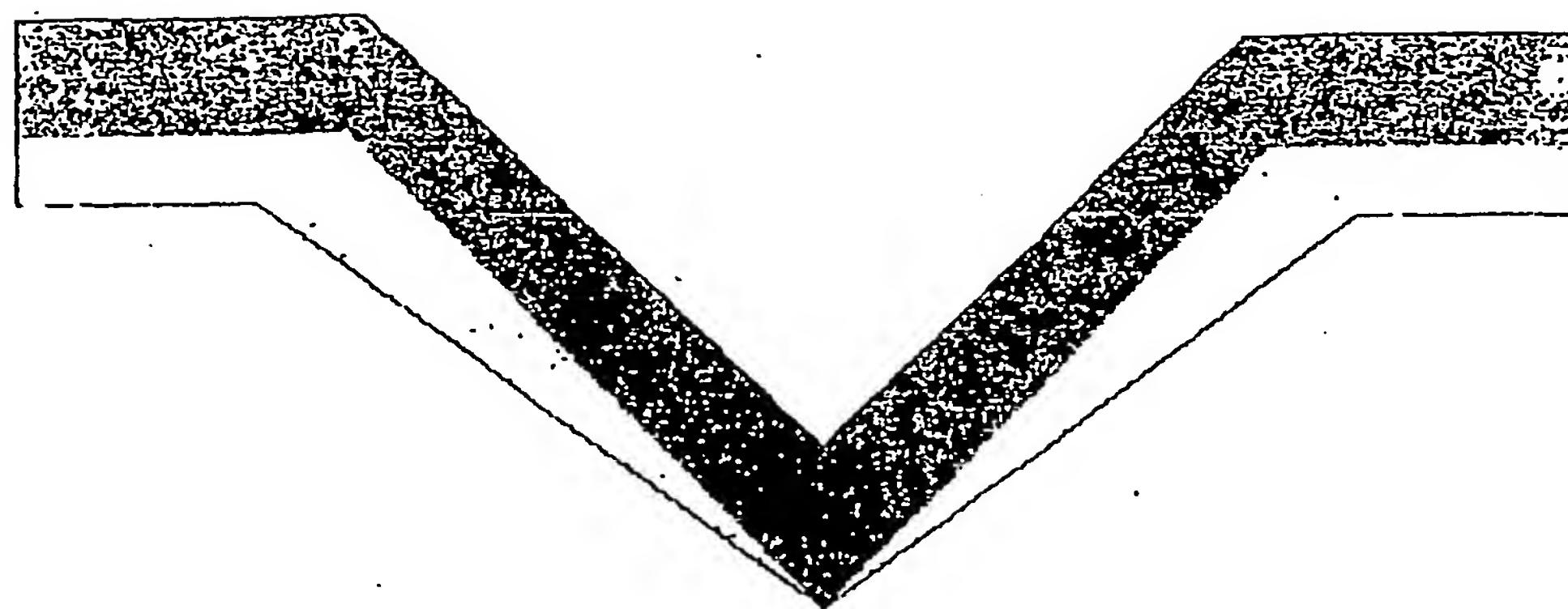


FIG. 4A

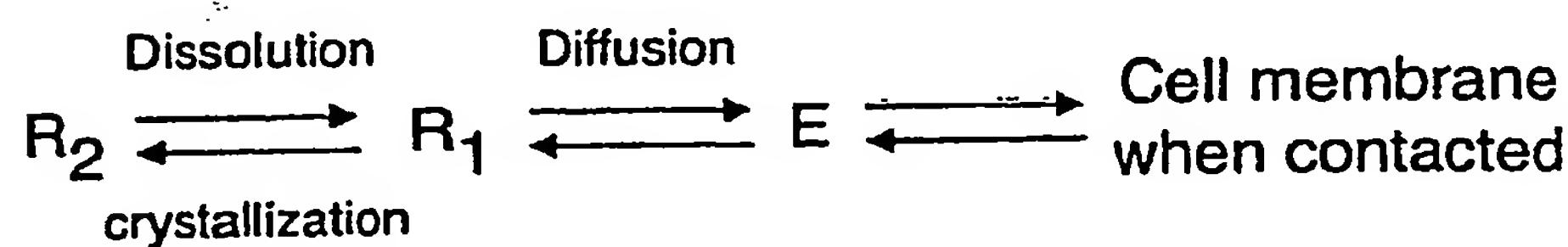
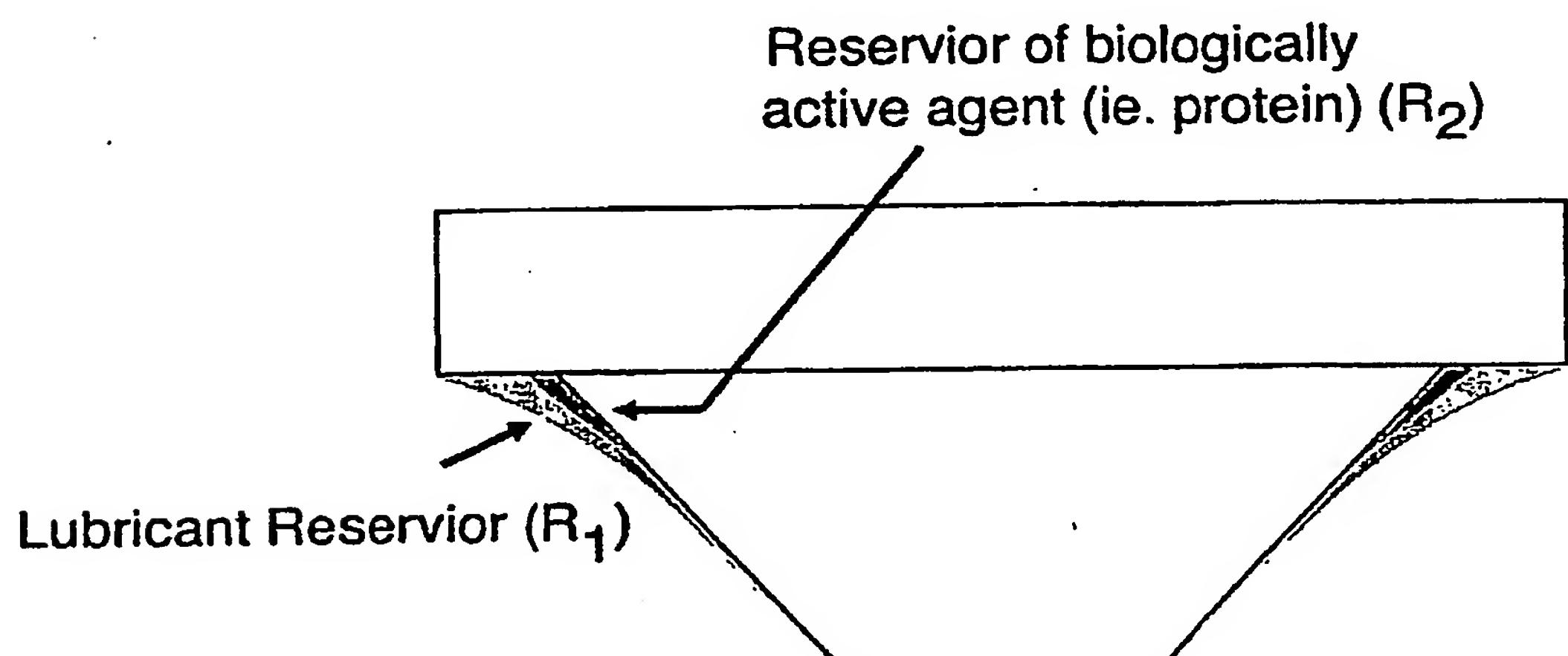


FIG. 4B

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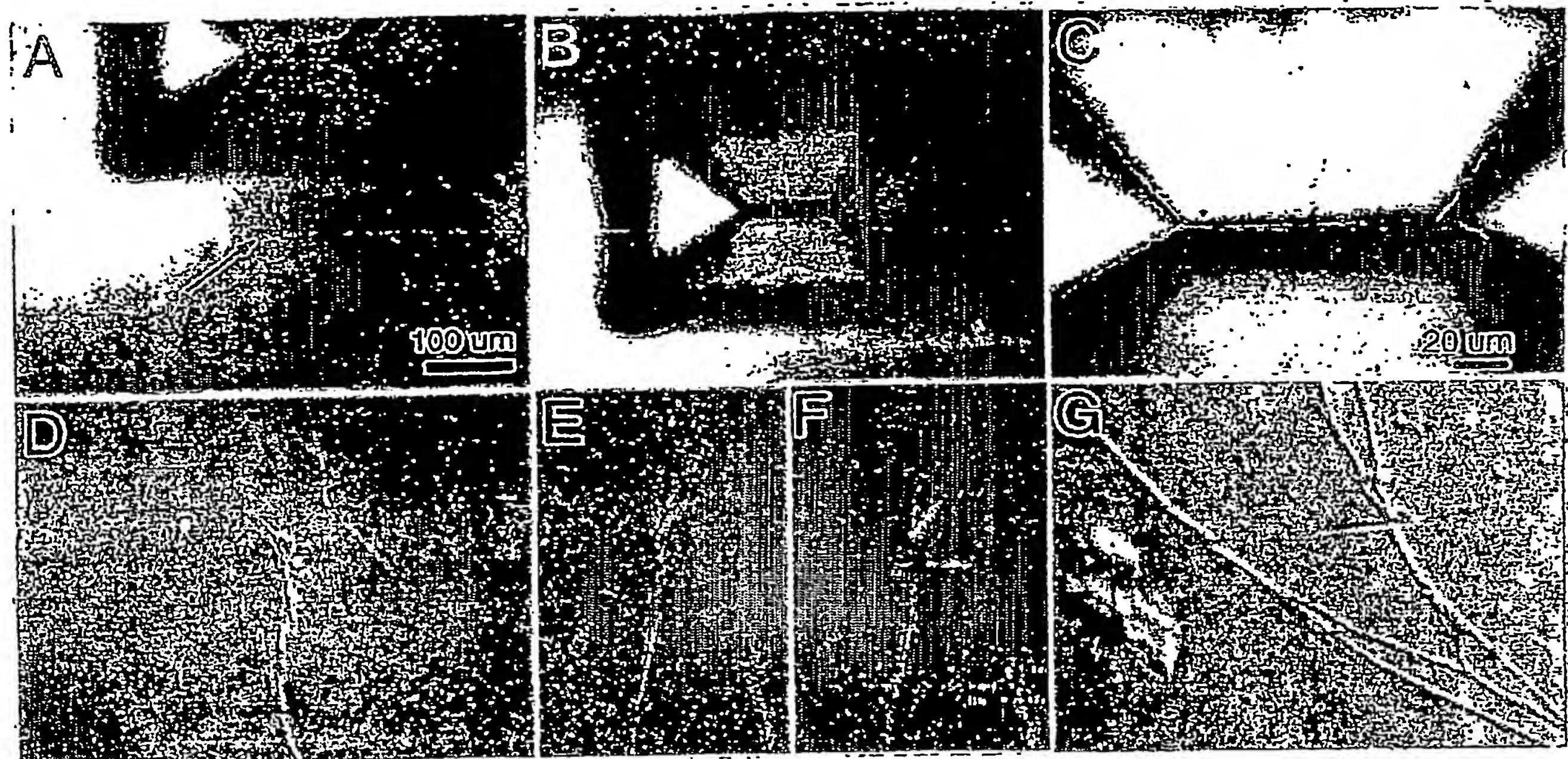


FIG. 5

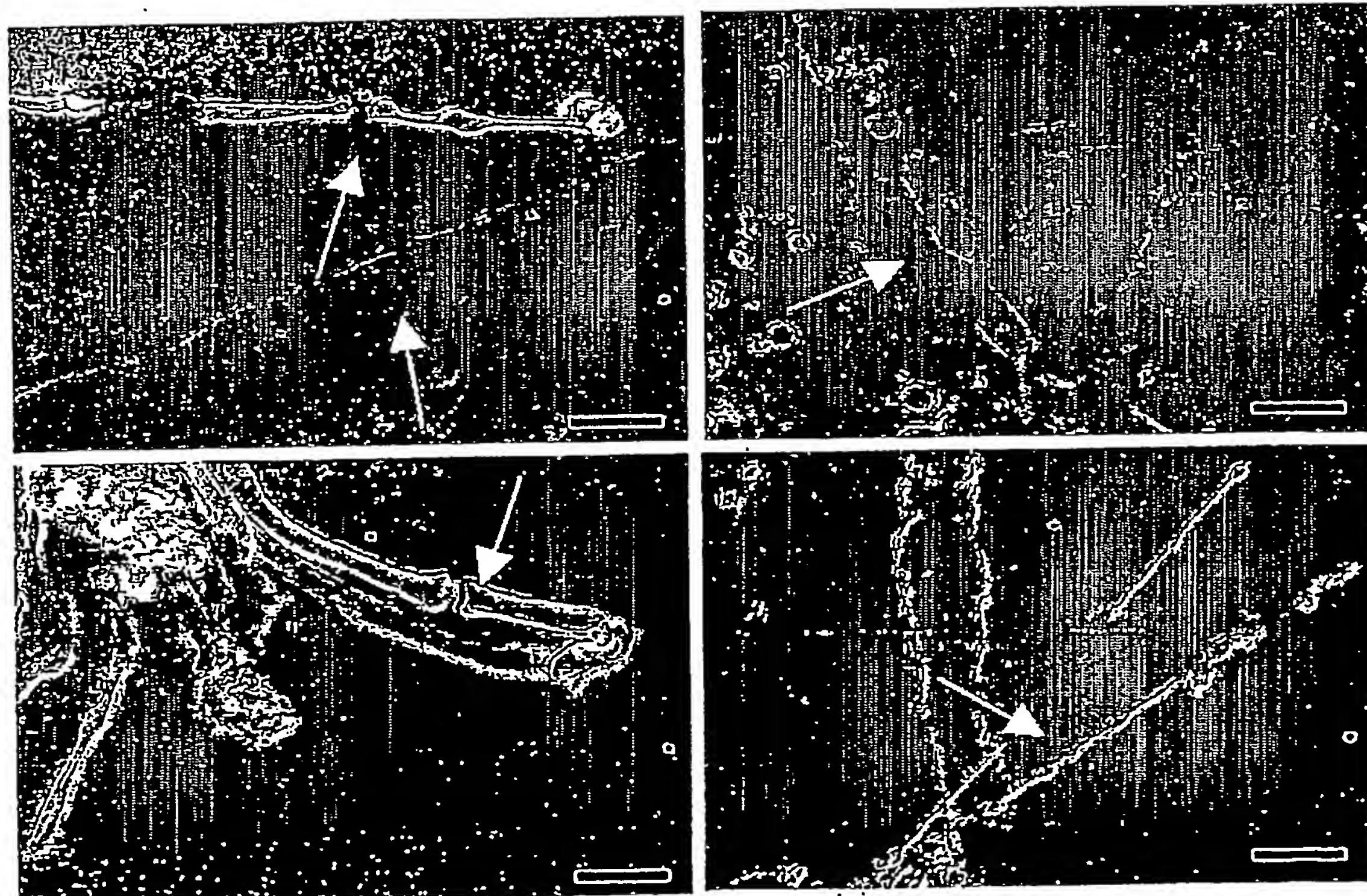


FIG. 6

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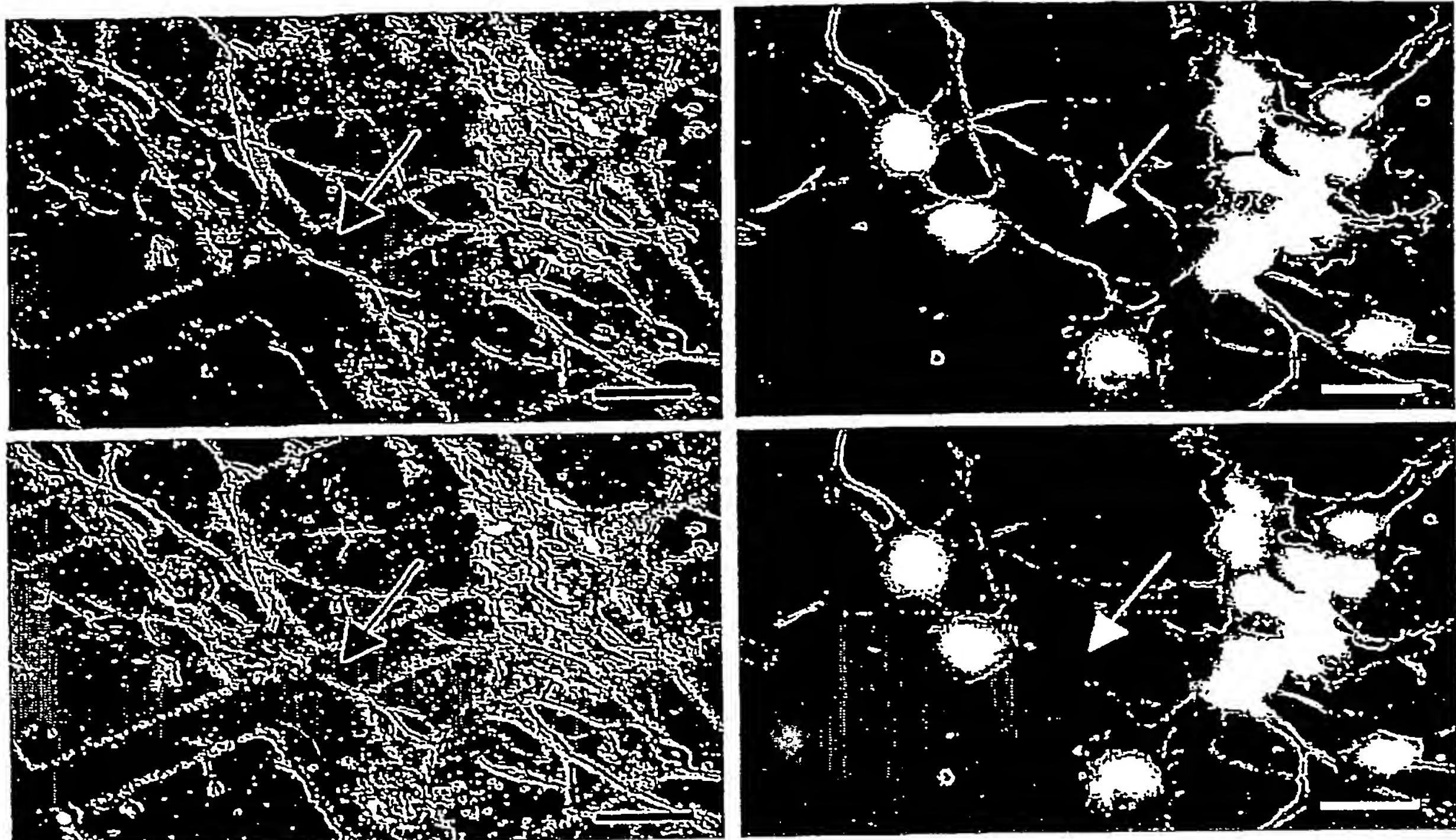


FIG. 7

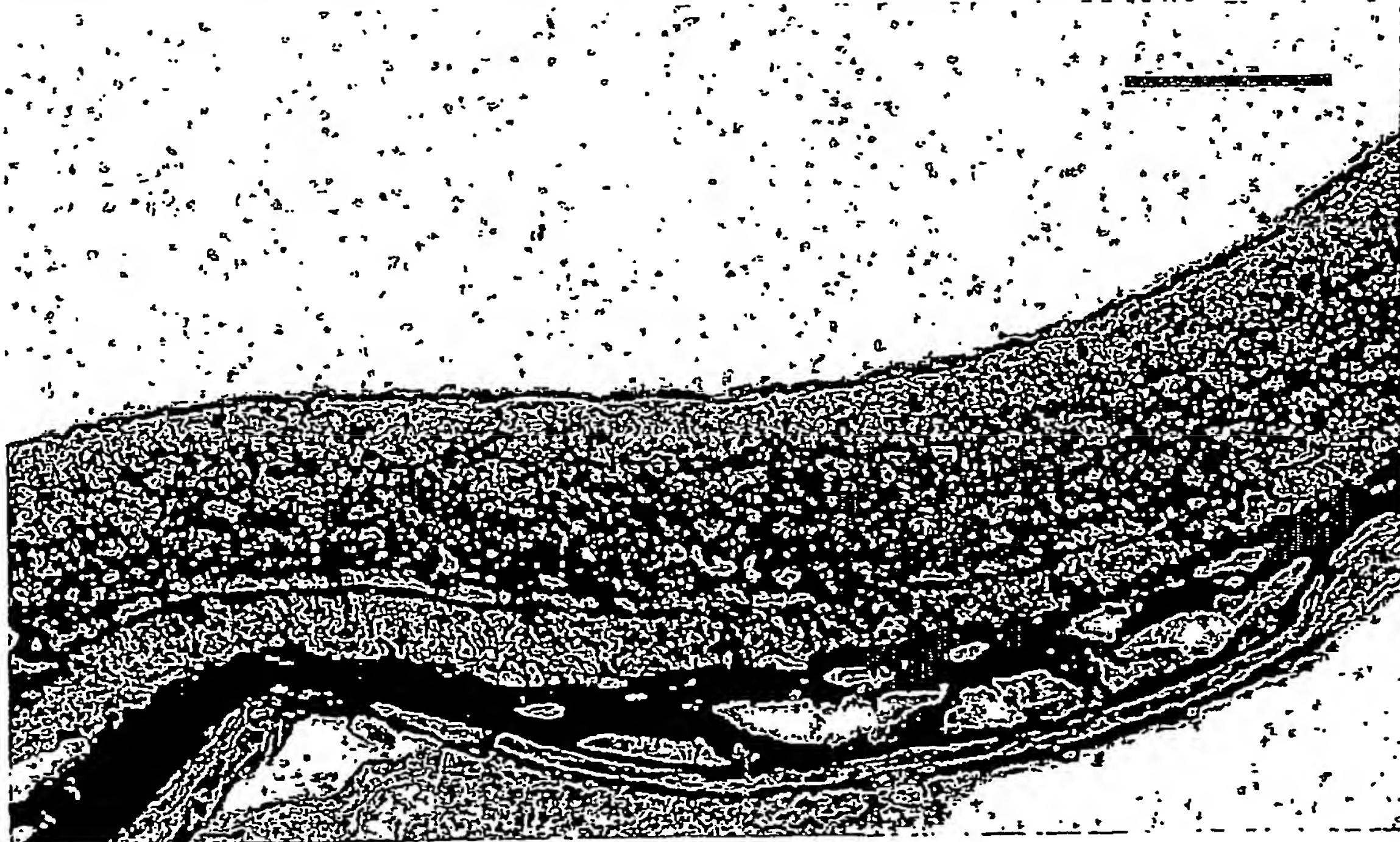


FIG. 8A

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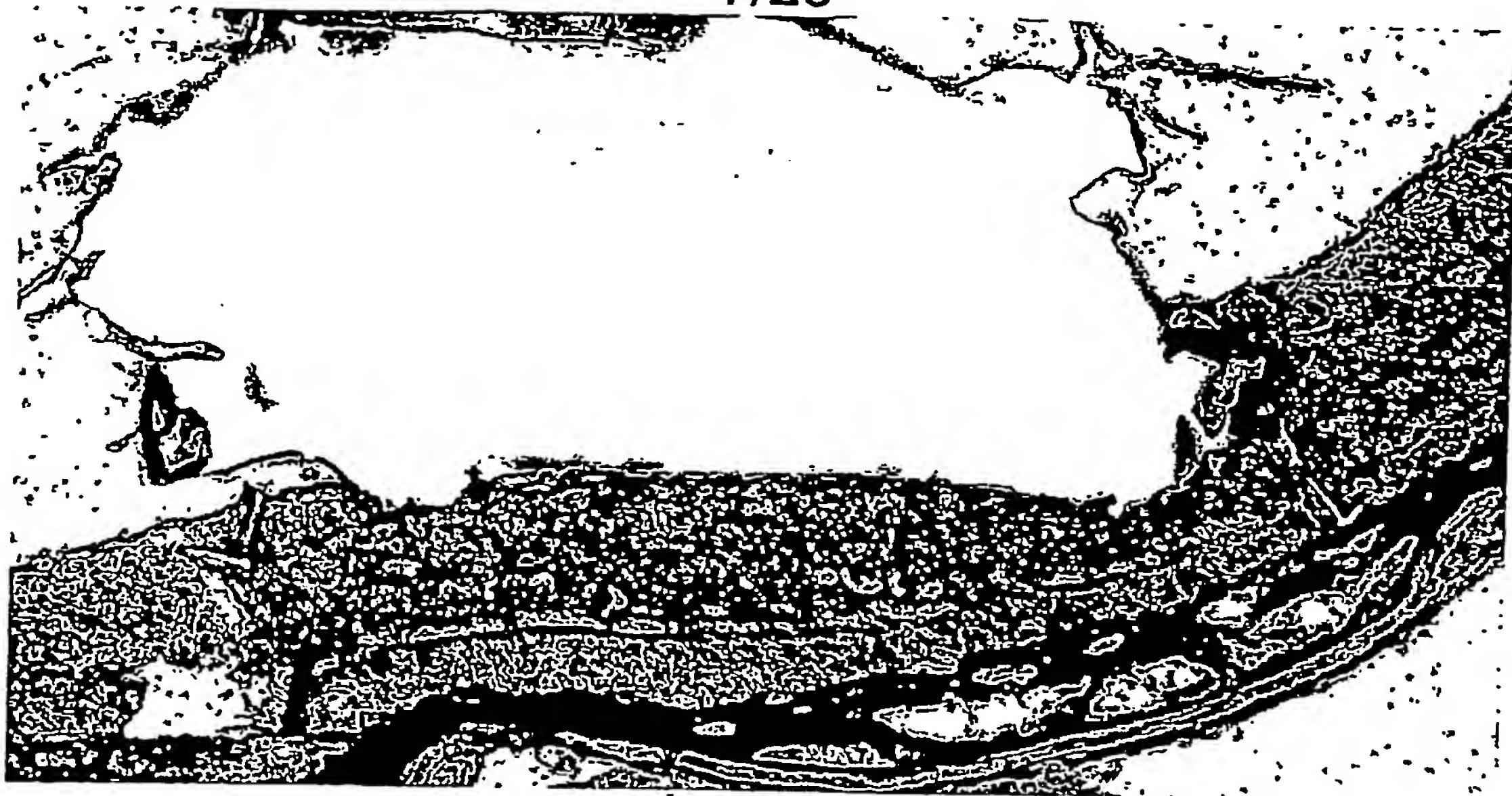


FIG. 8B



FIG. 8C

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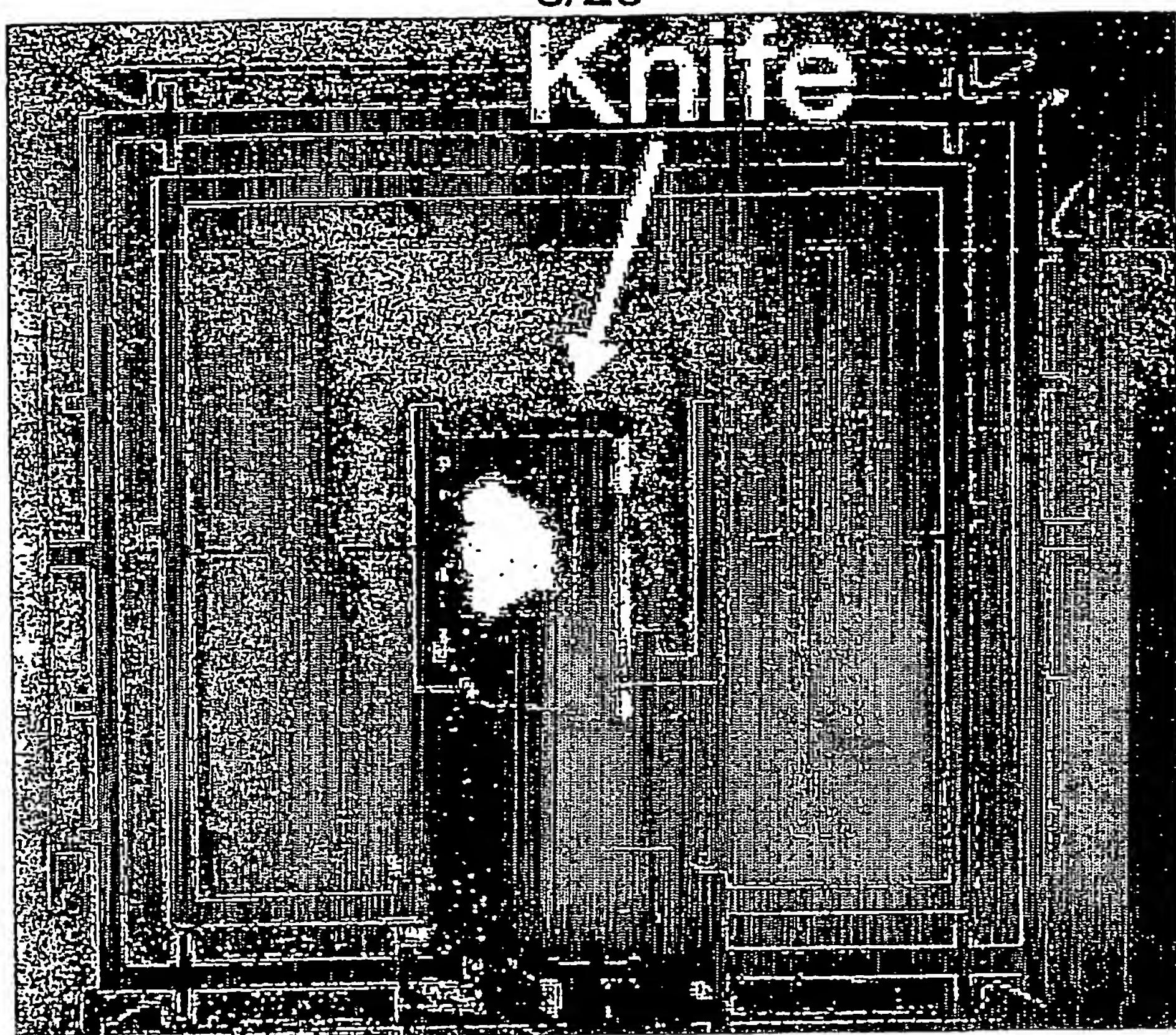


FIG. 9A

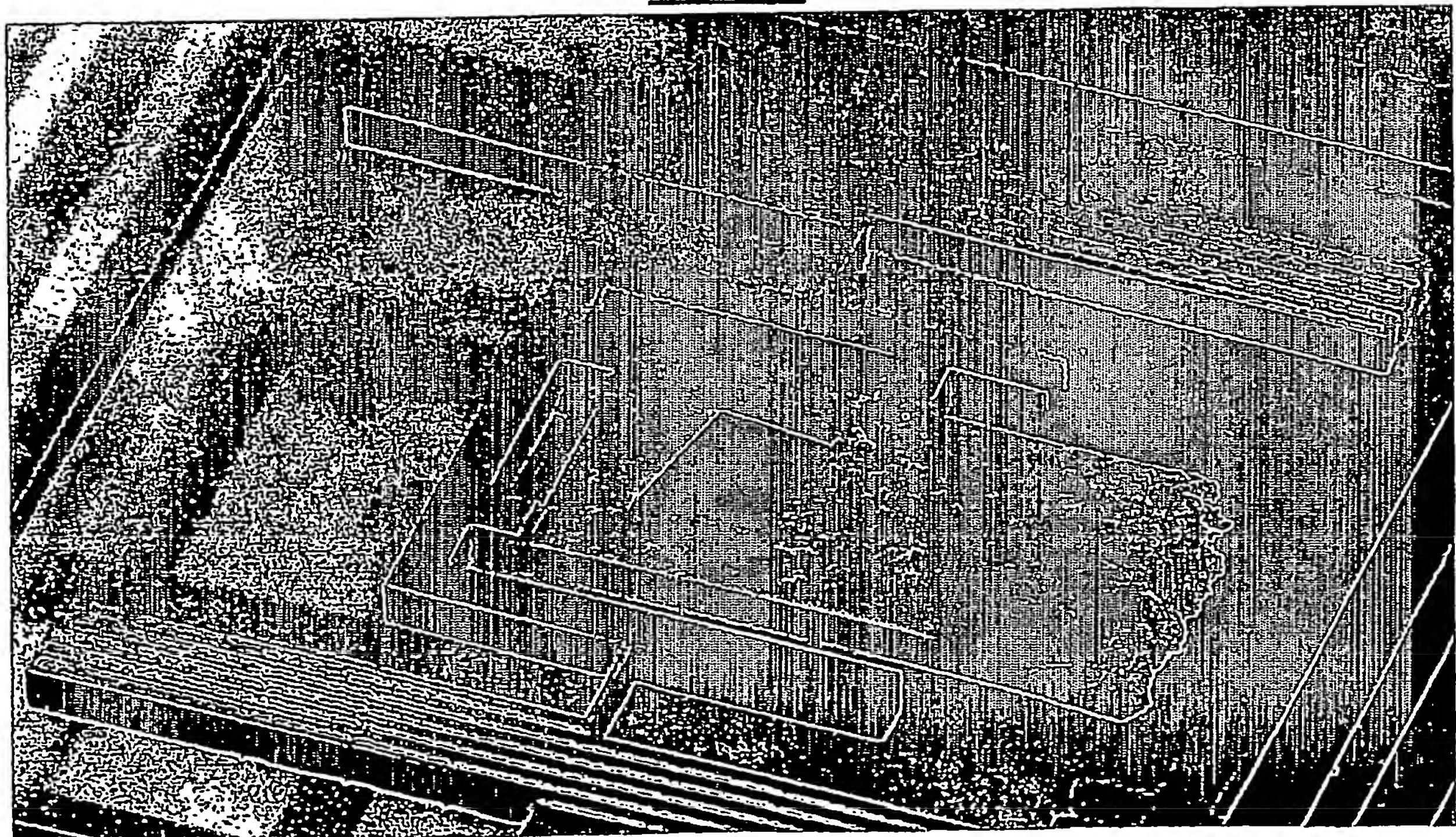


FIG. 9B

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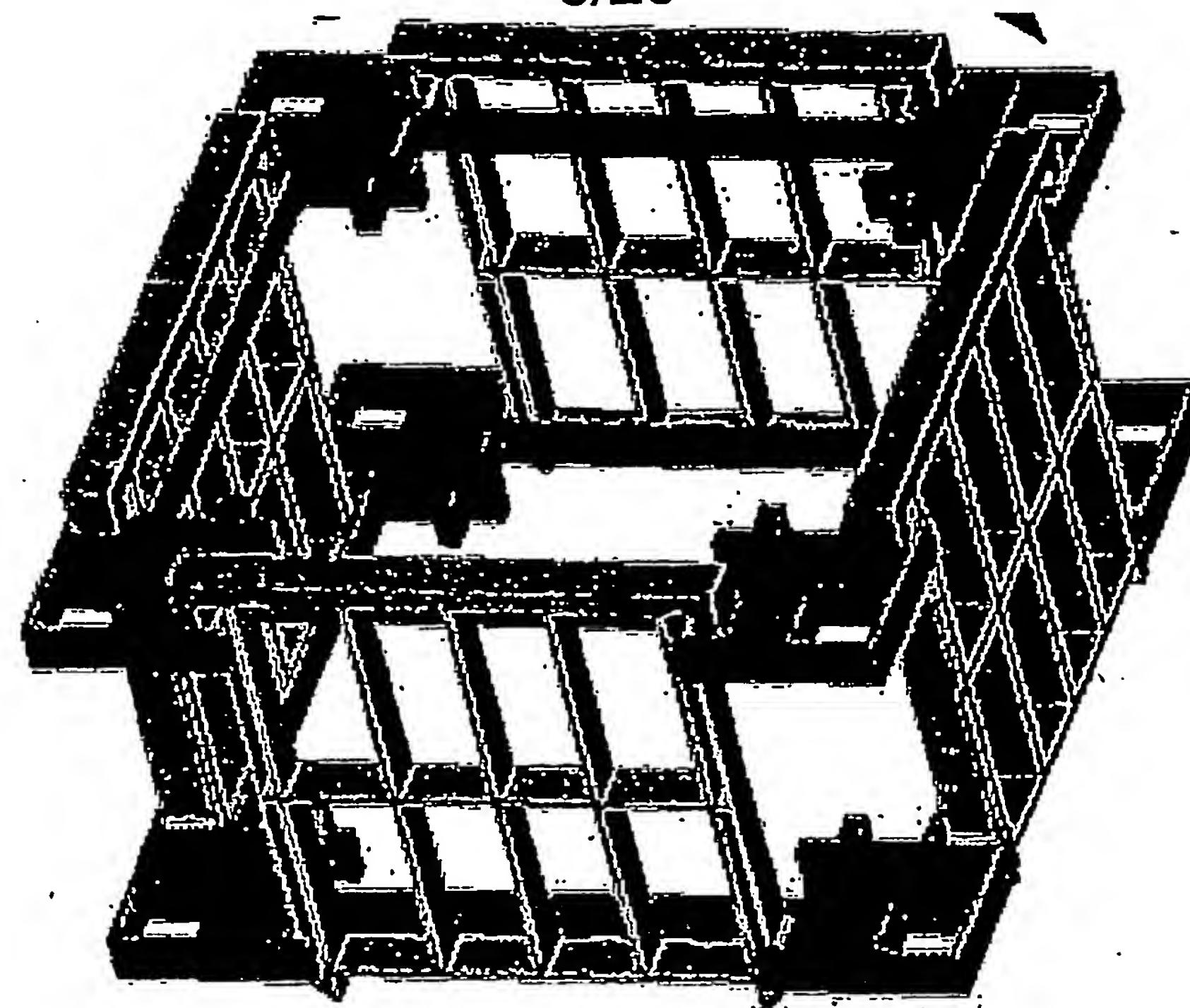


FIG. 10A

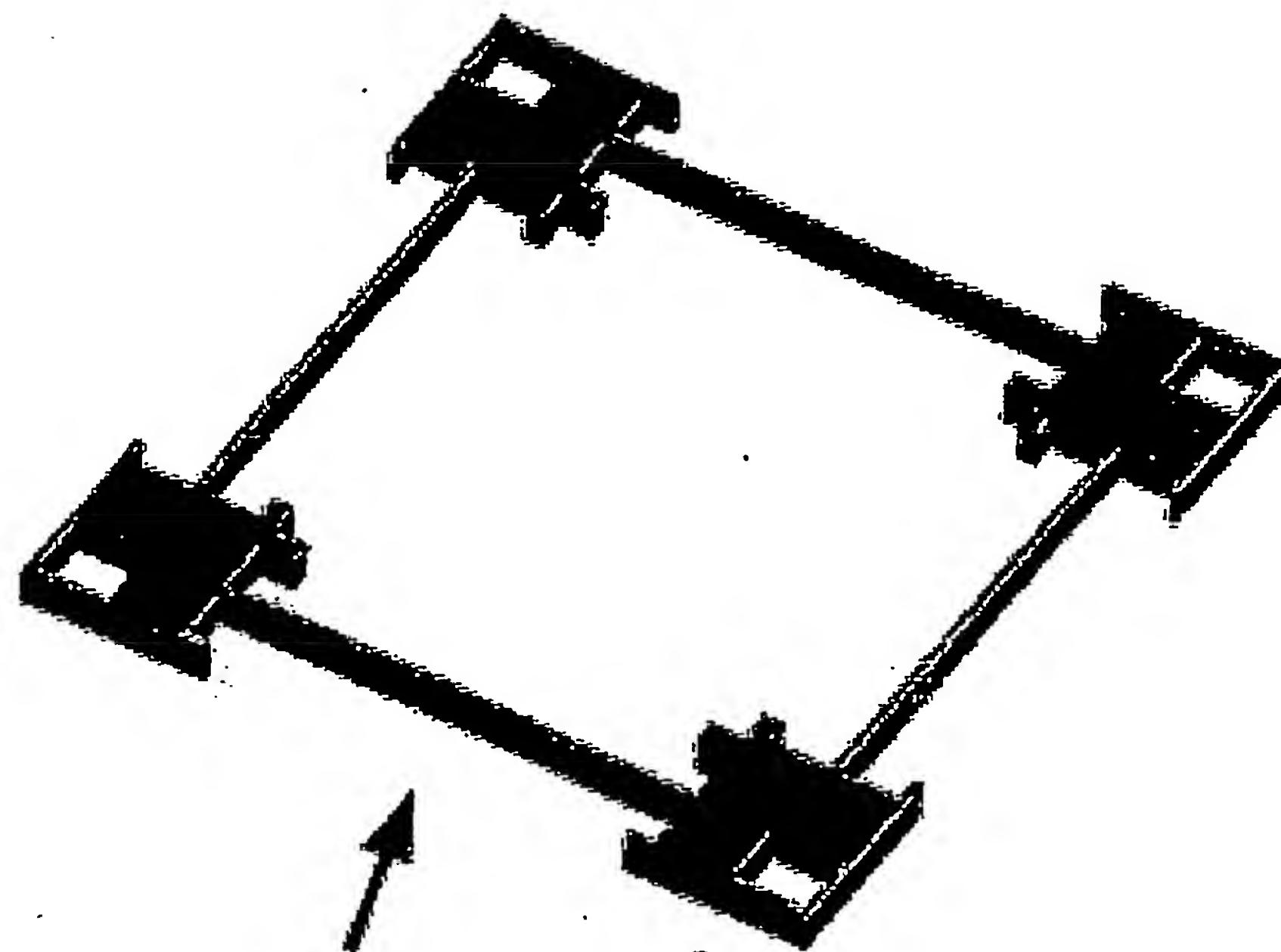


FIG. 10E

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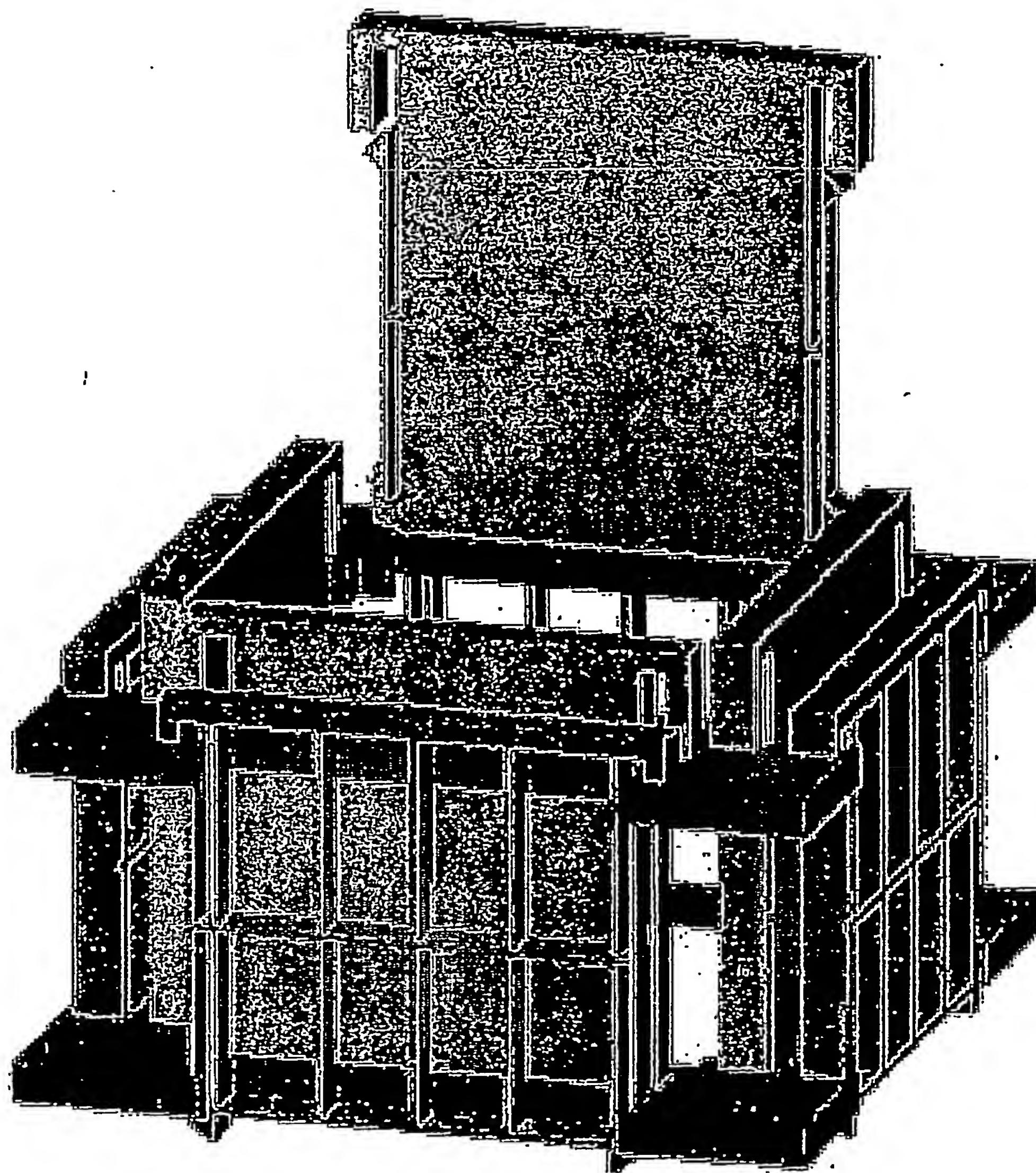


FIG. 10B

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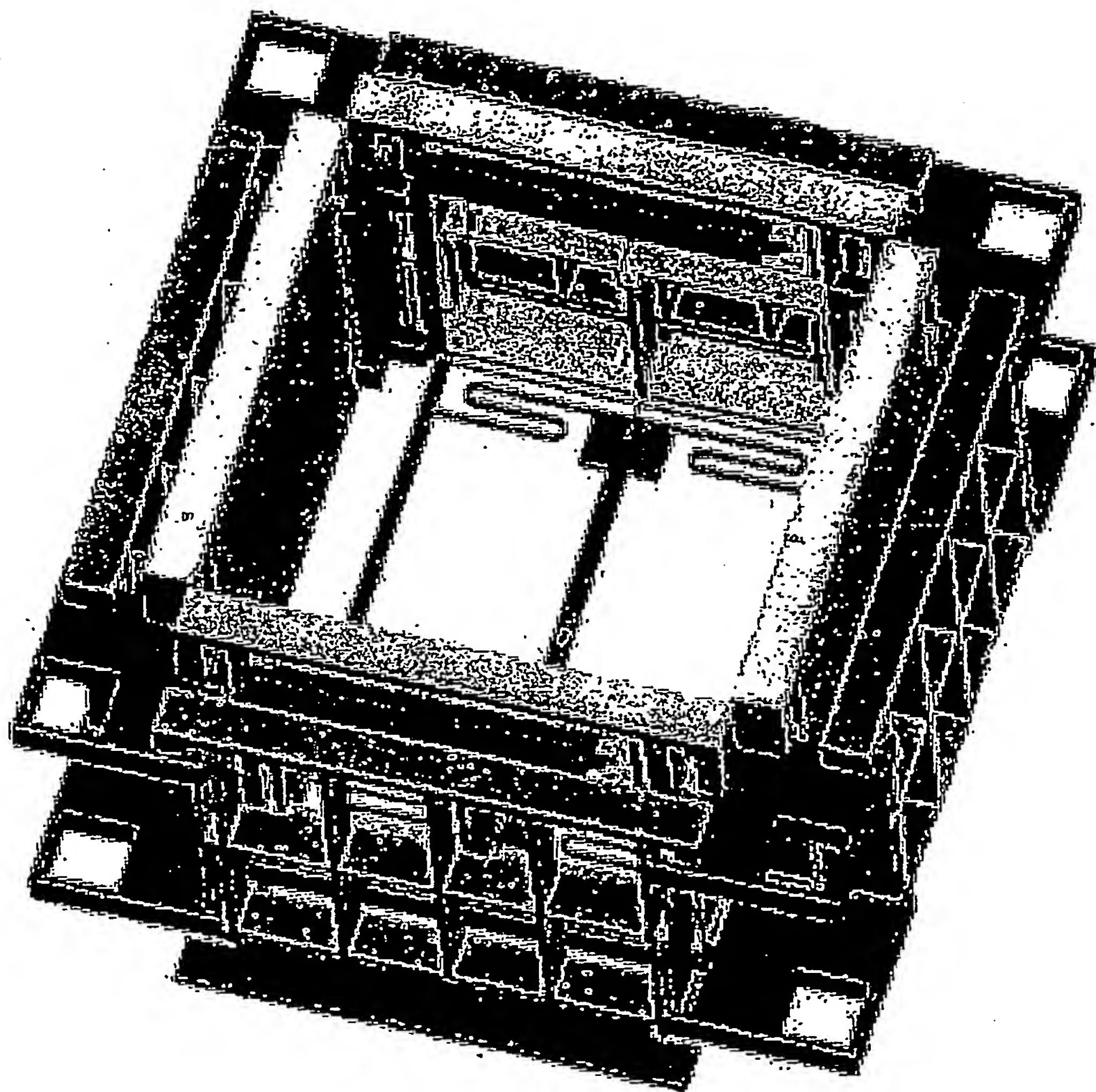


FIG. 10C

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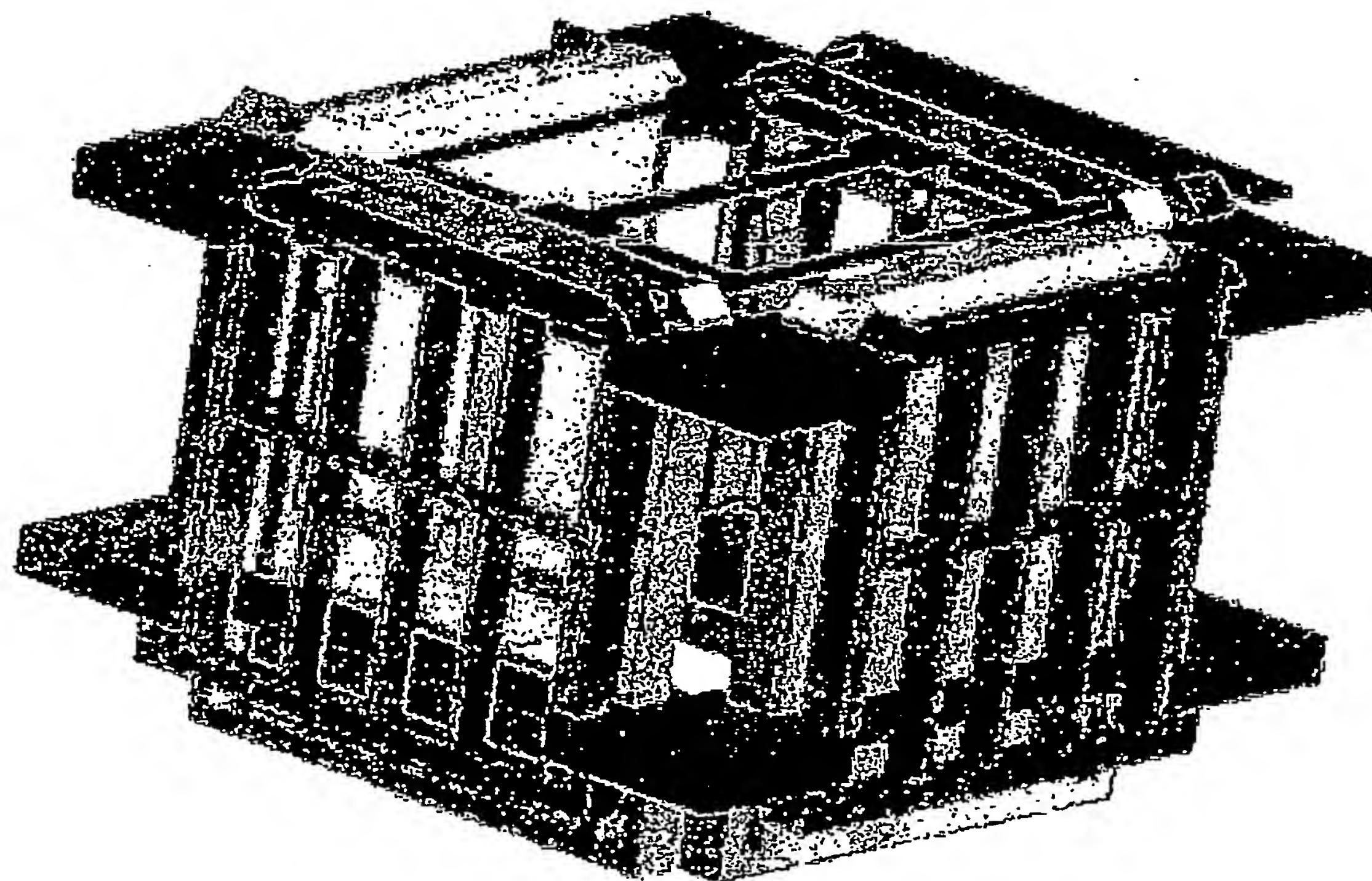


FIG. 10D

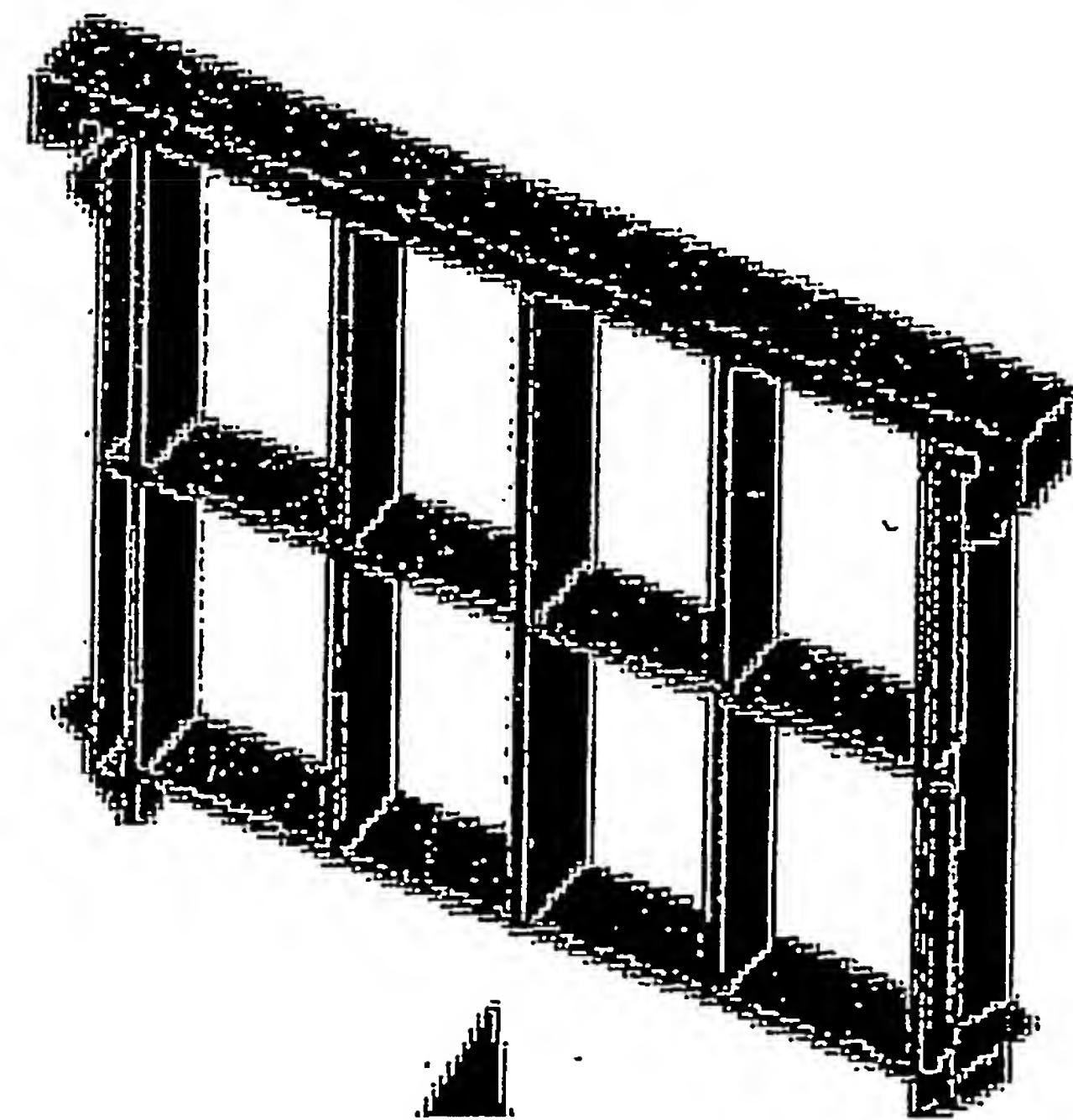


FIG. 10F

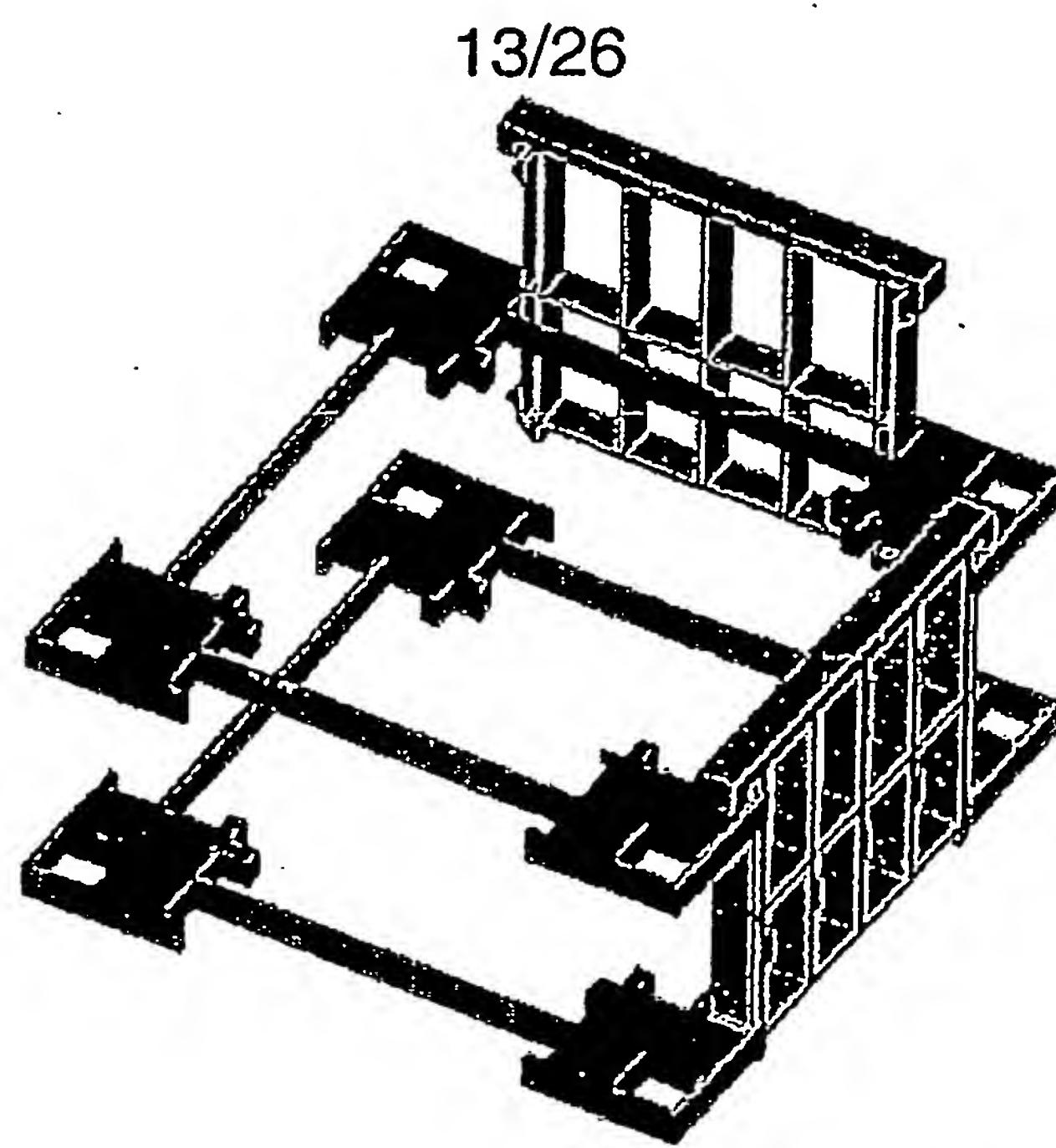


FIG. 10G



FIG. 11A

SUBSTITUTE SHEET (RULE 26)

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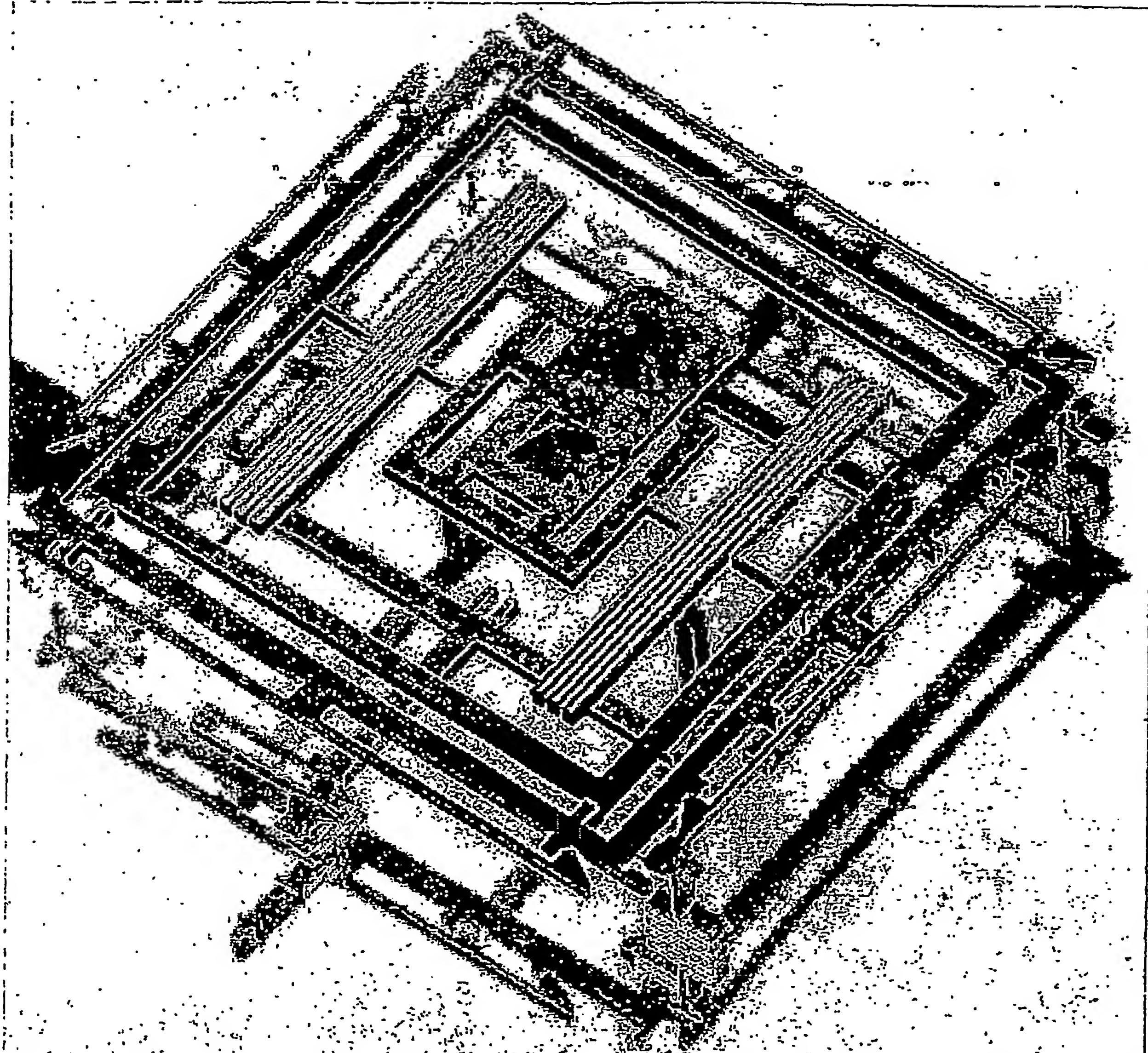


FIG. 11B

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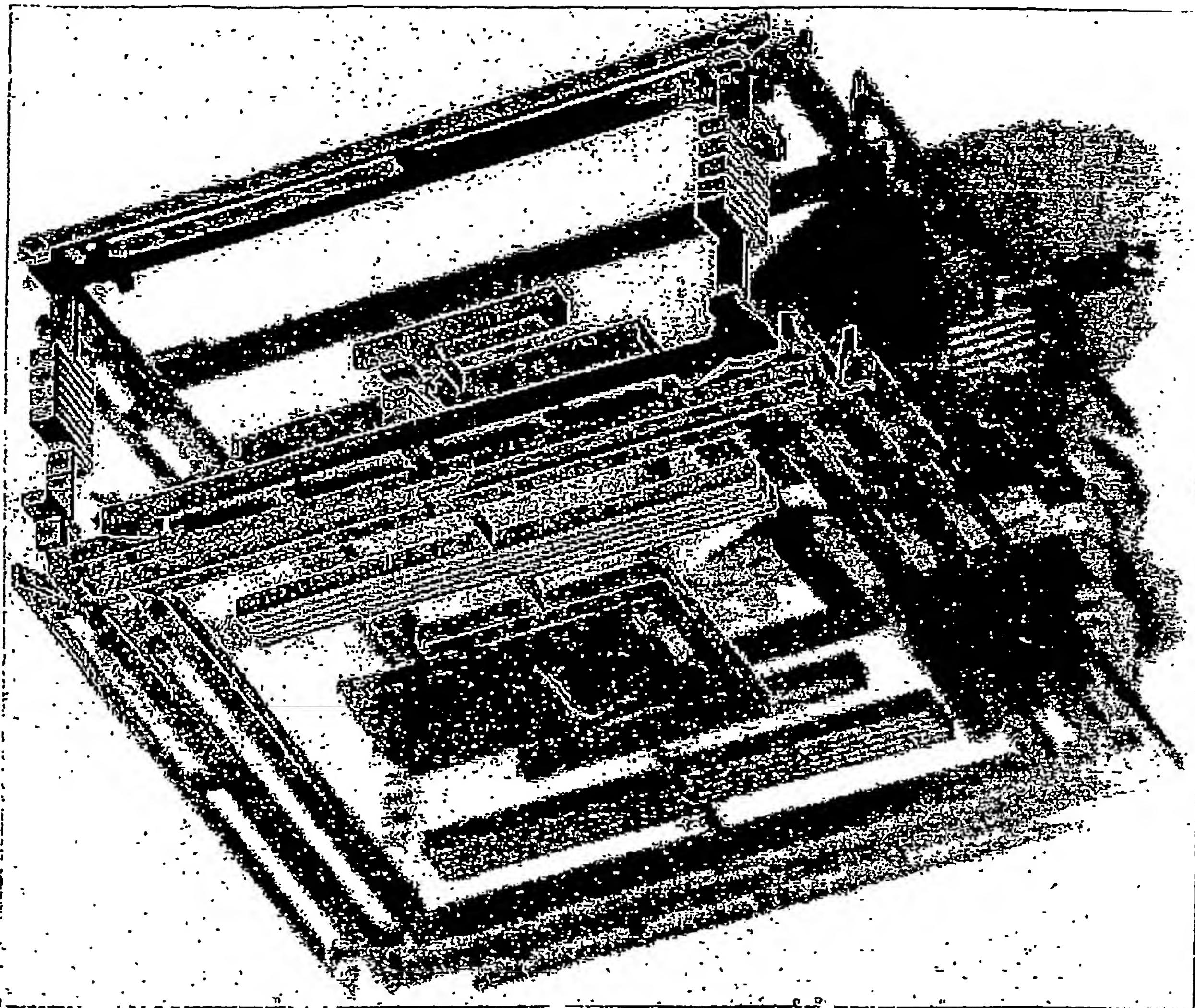


FIG. 11C

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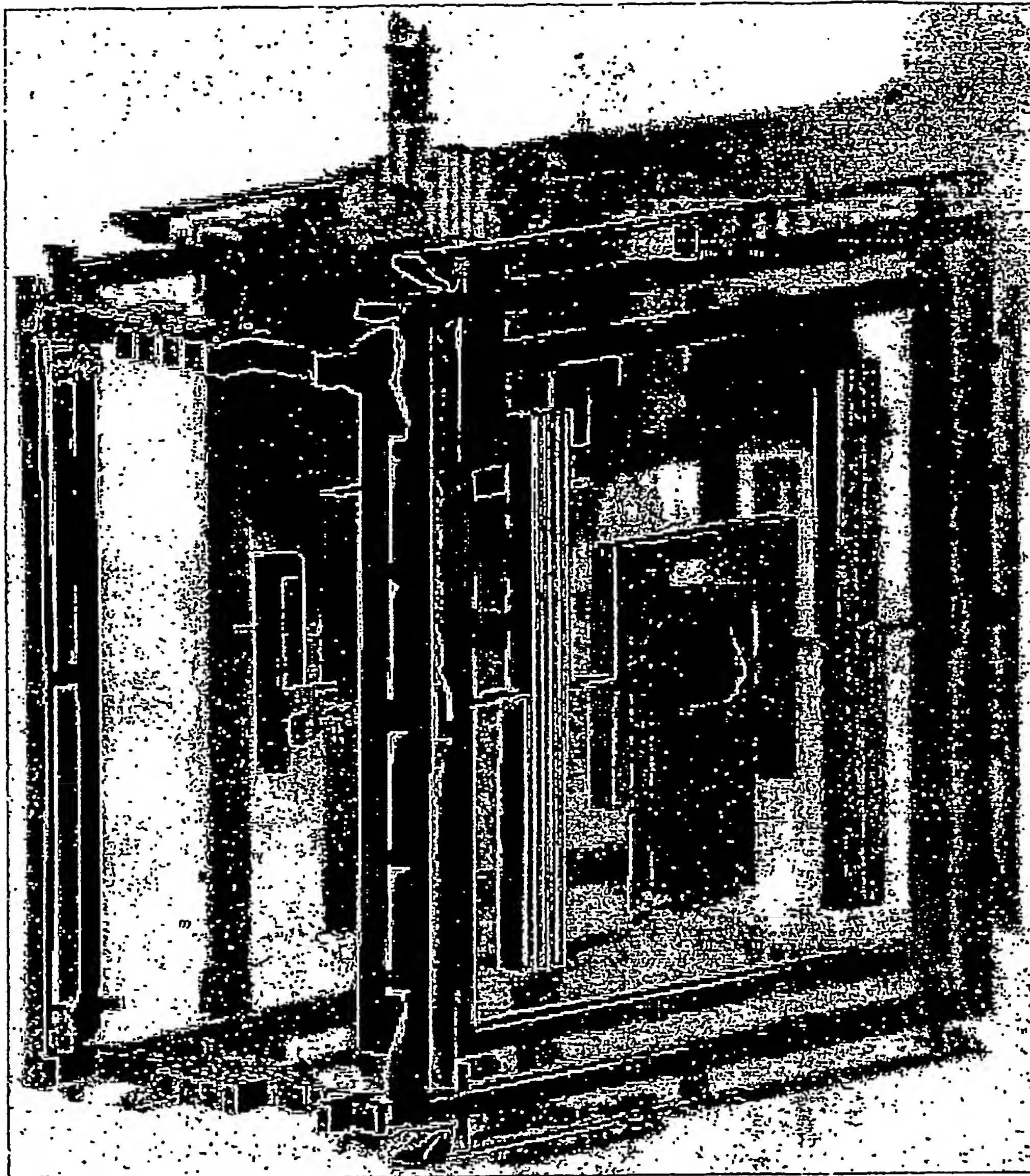


FIG. 11D

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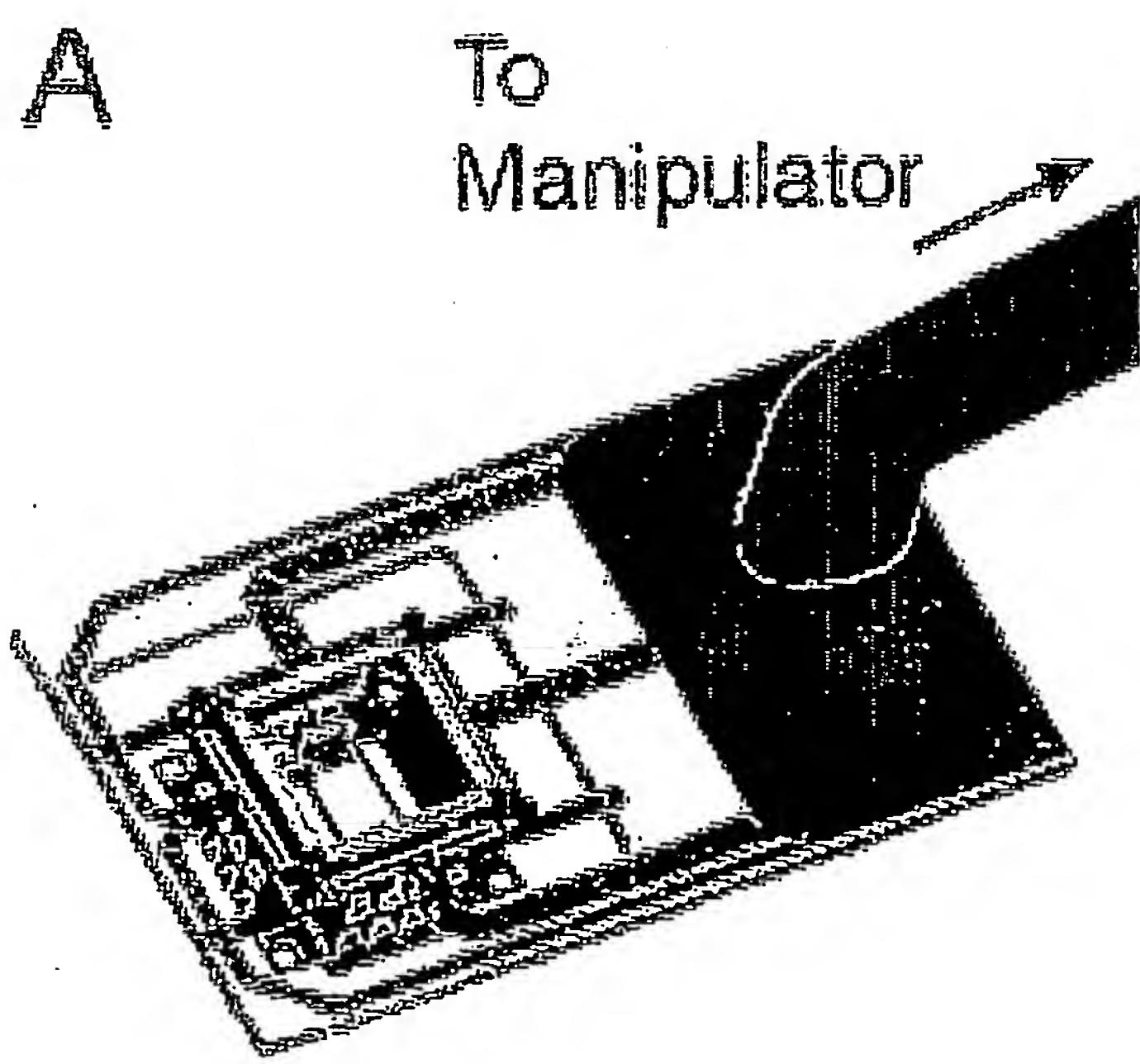
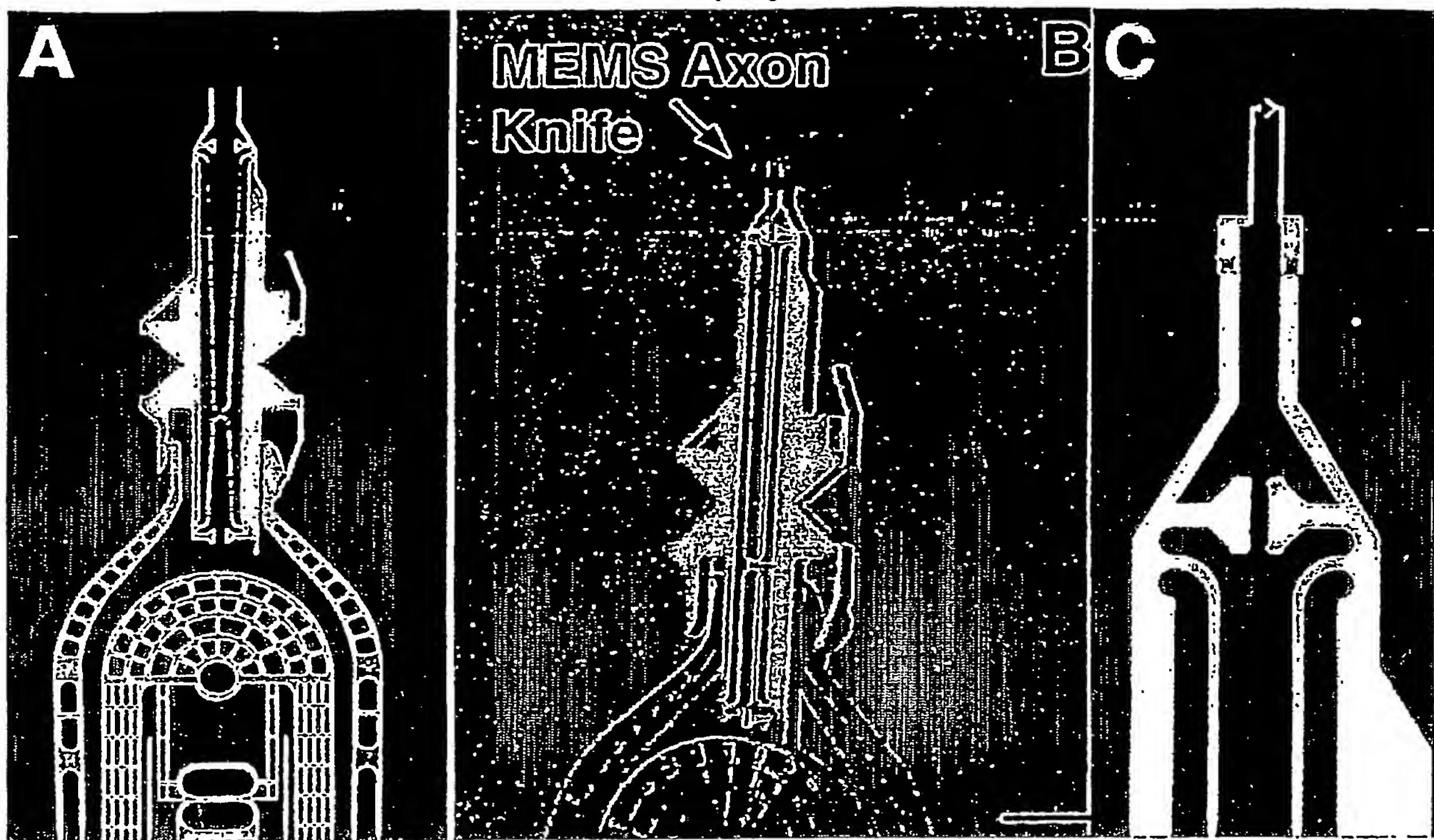


FIG. 13A

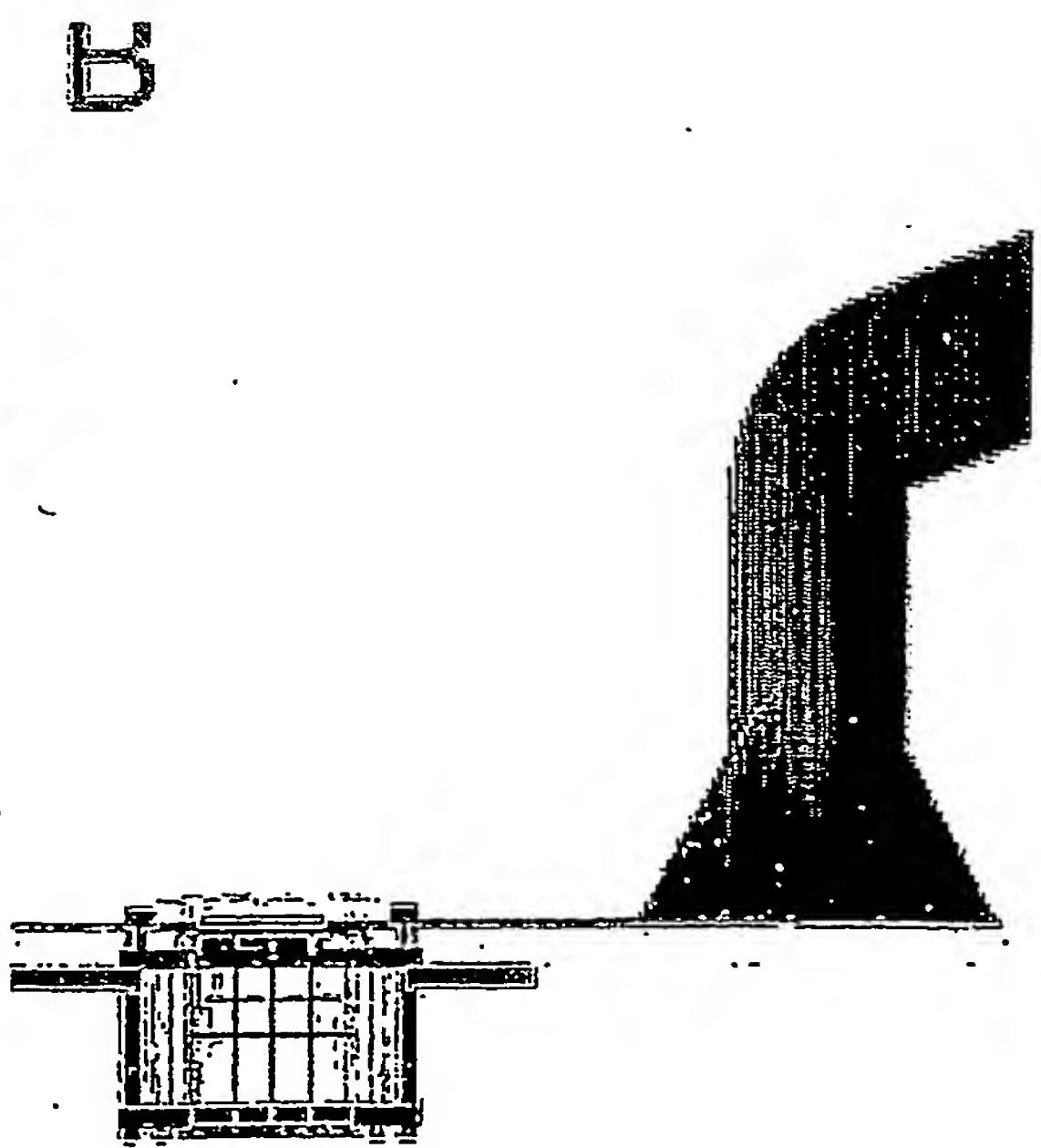


FIG. 13B

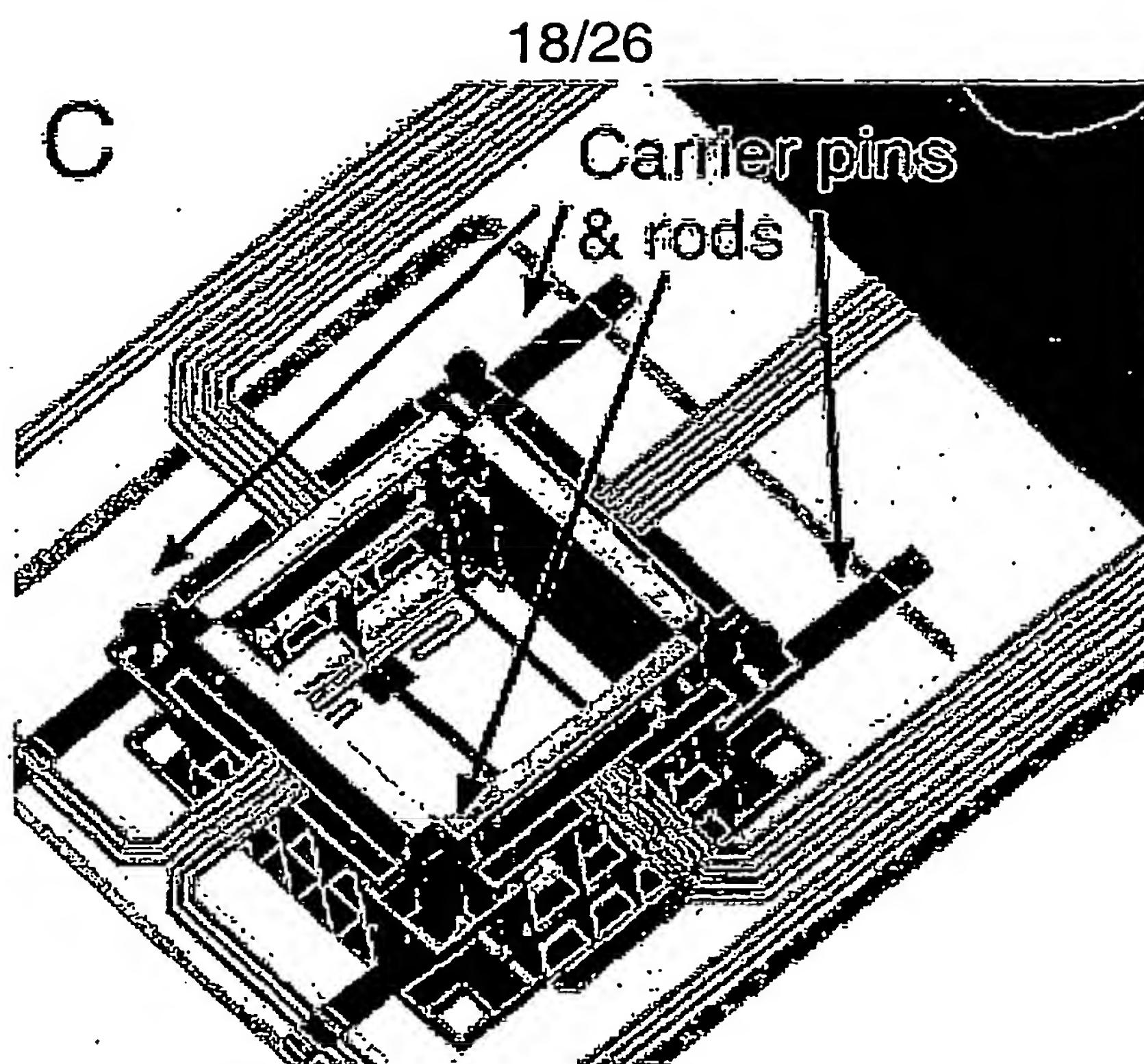


FIG. 13C

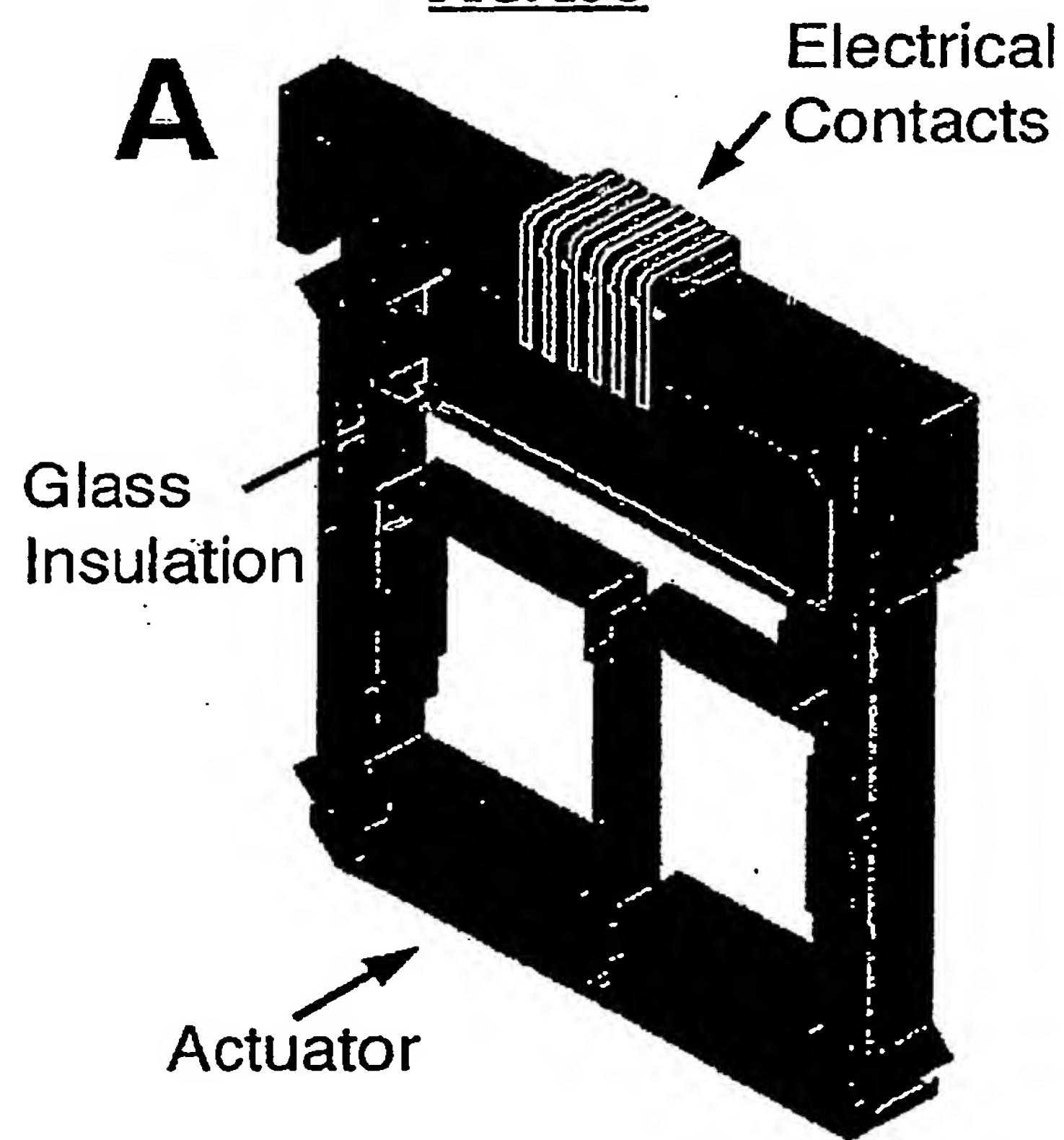


FIG. 14A

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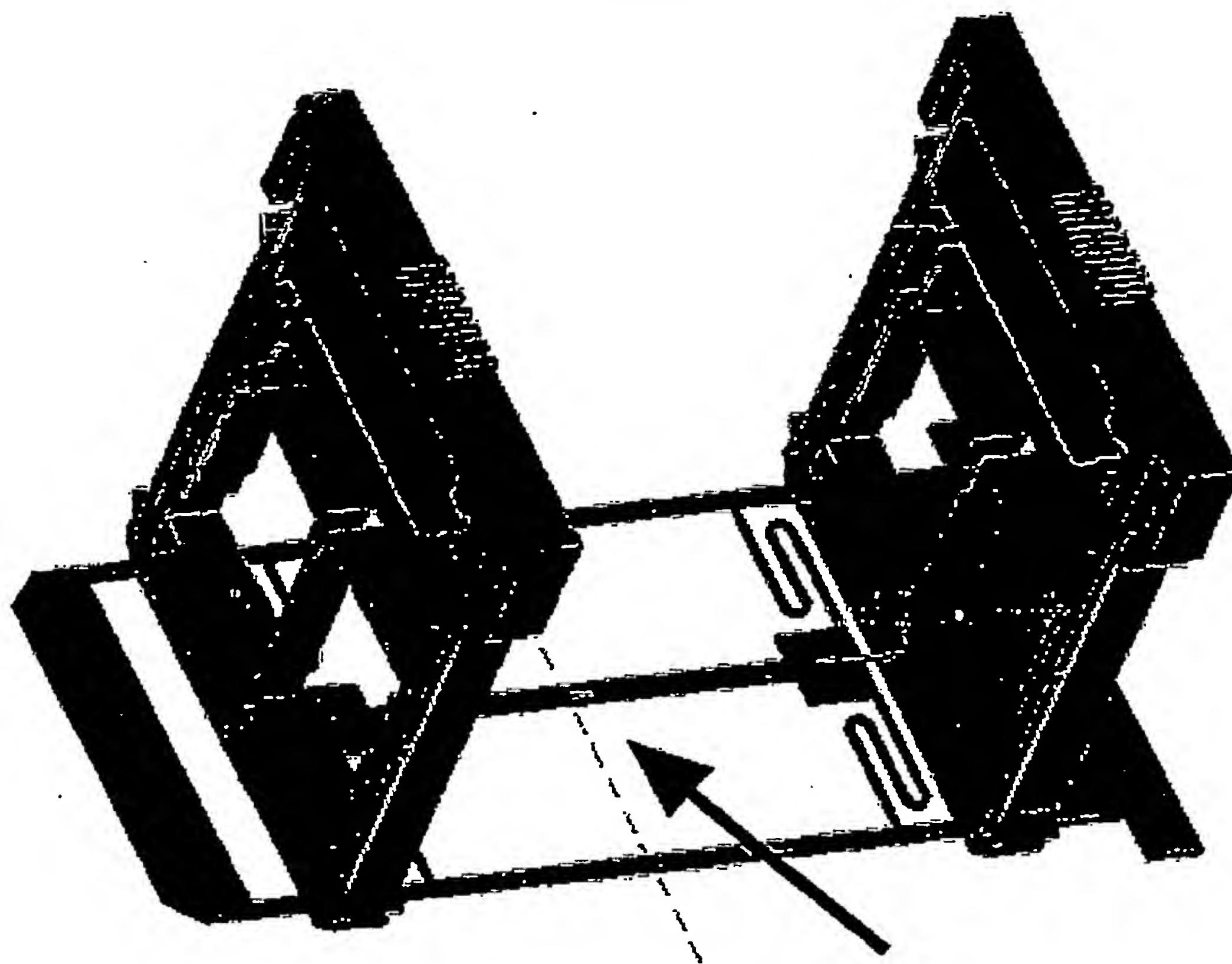


FIG. 14B

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Knife

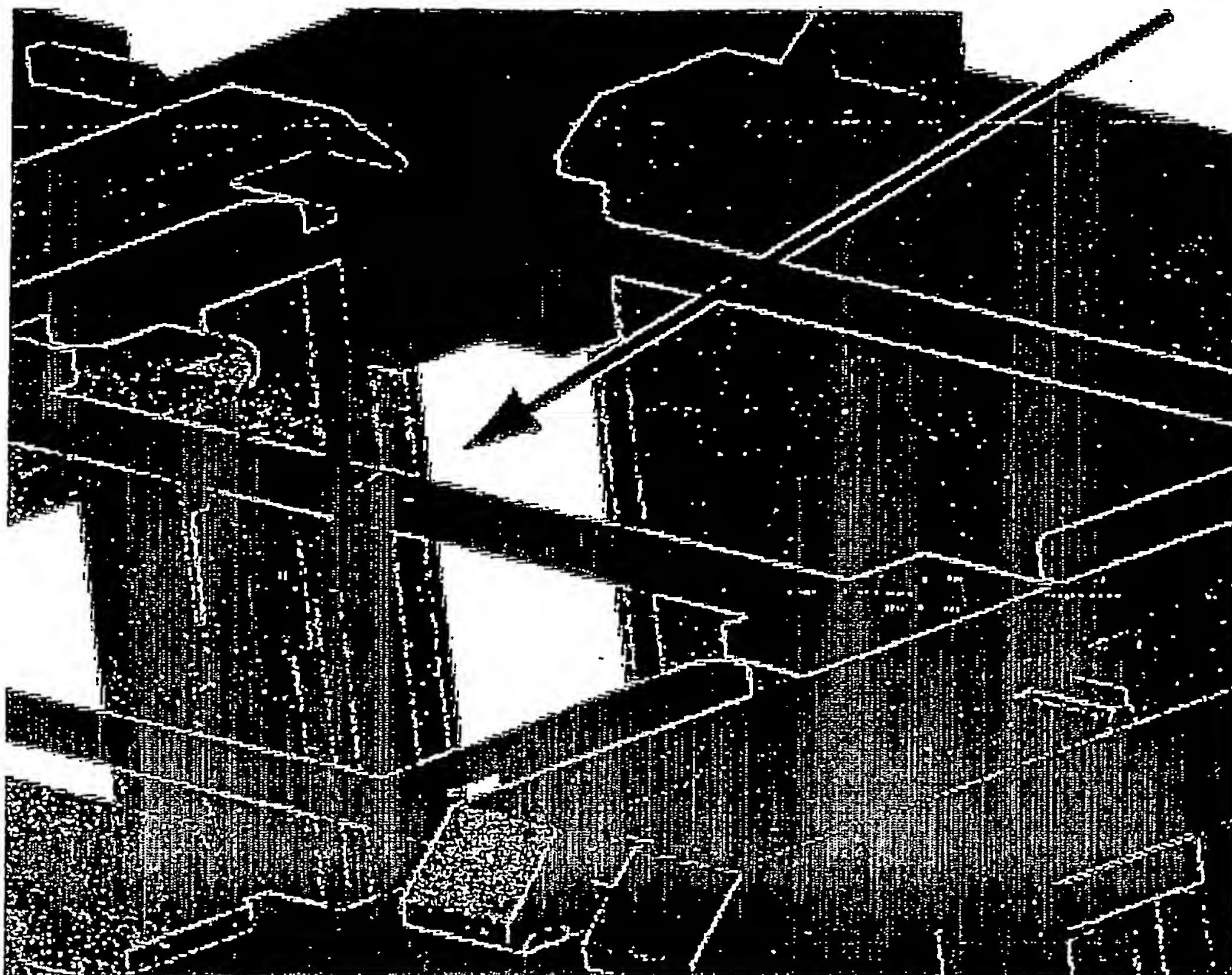


FIG. 14C

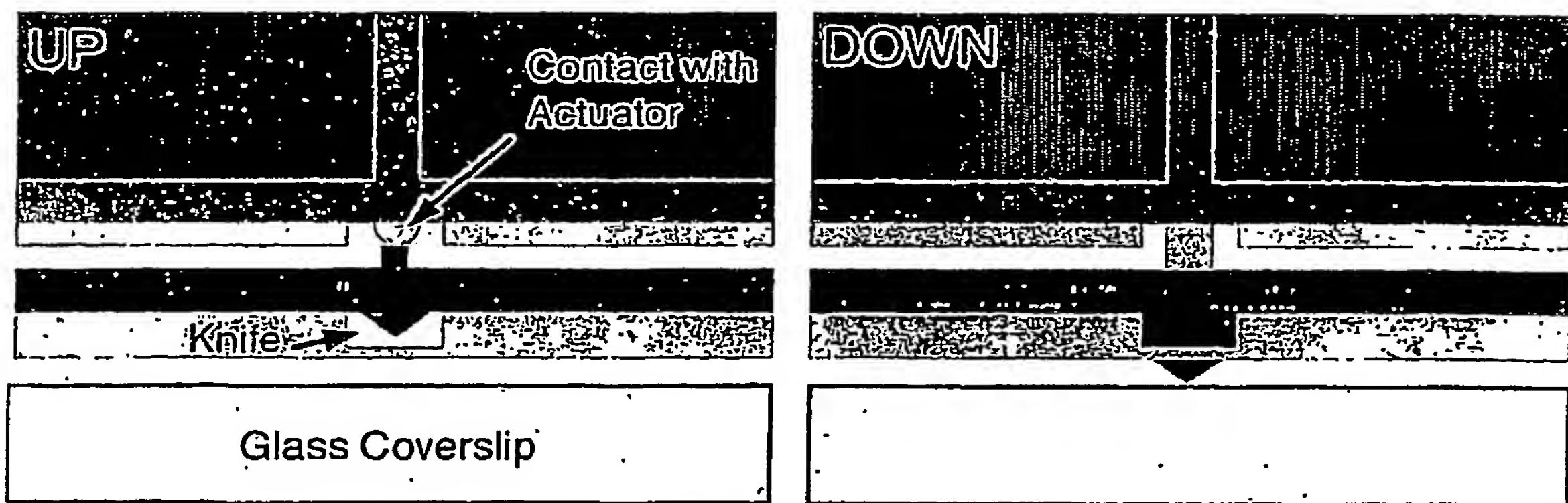
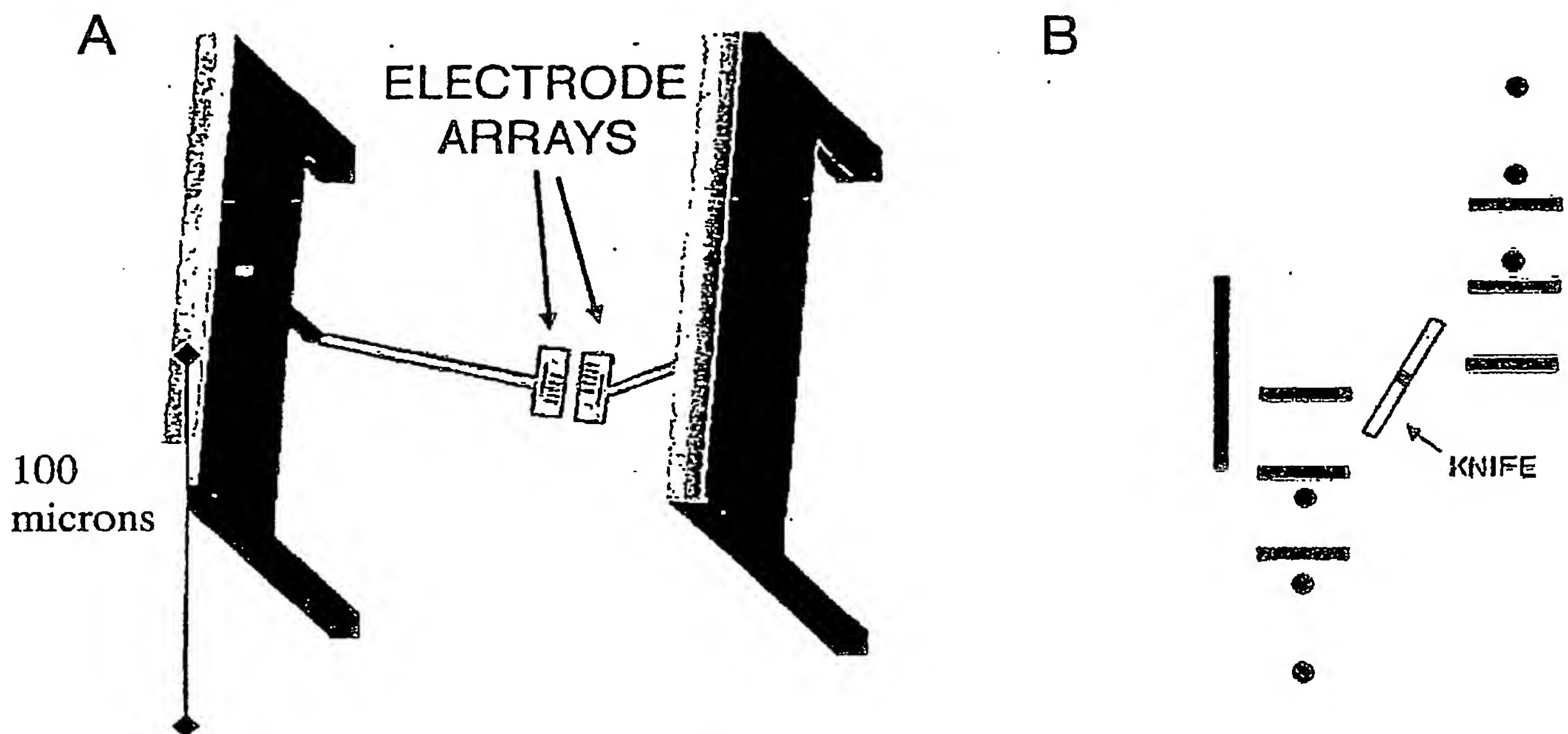
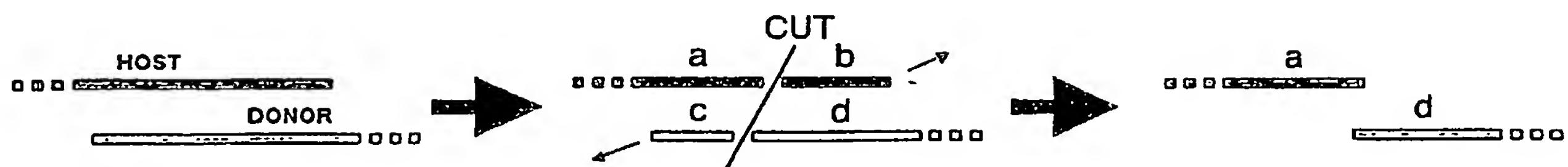
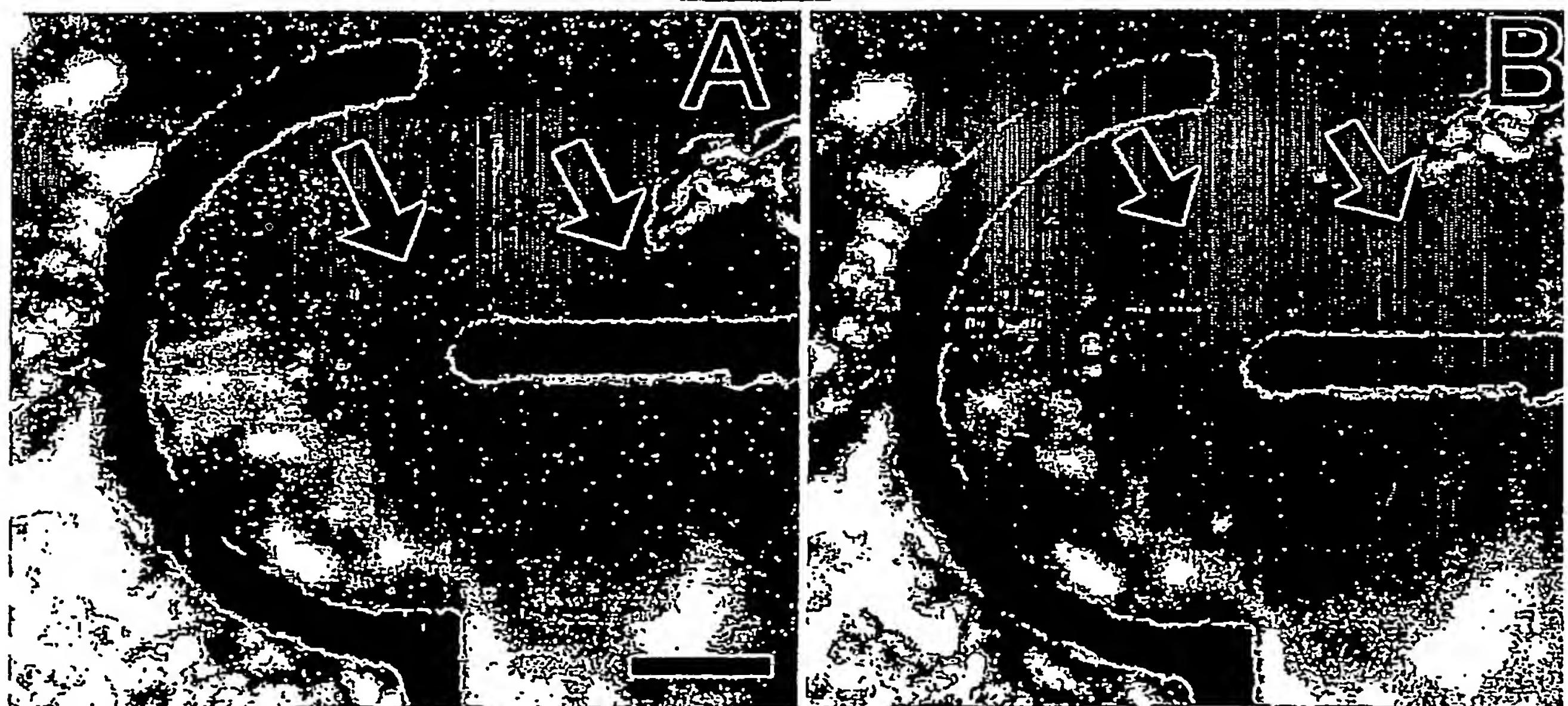
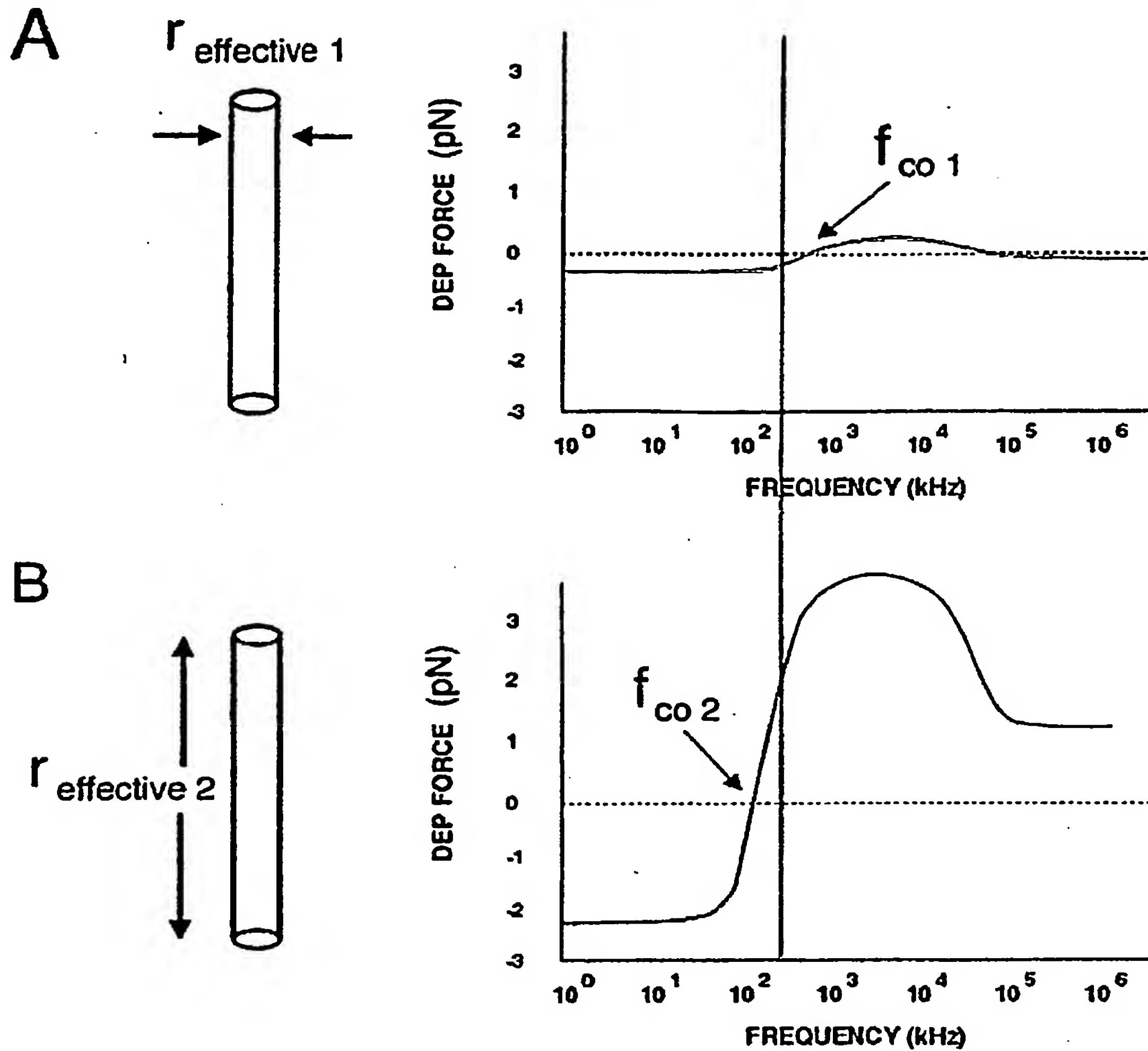


FIG. 15

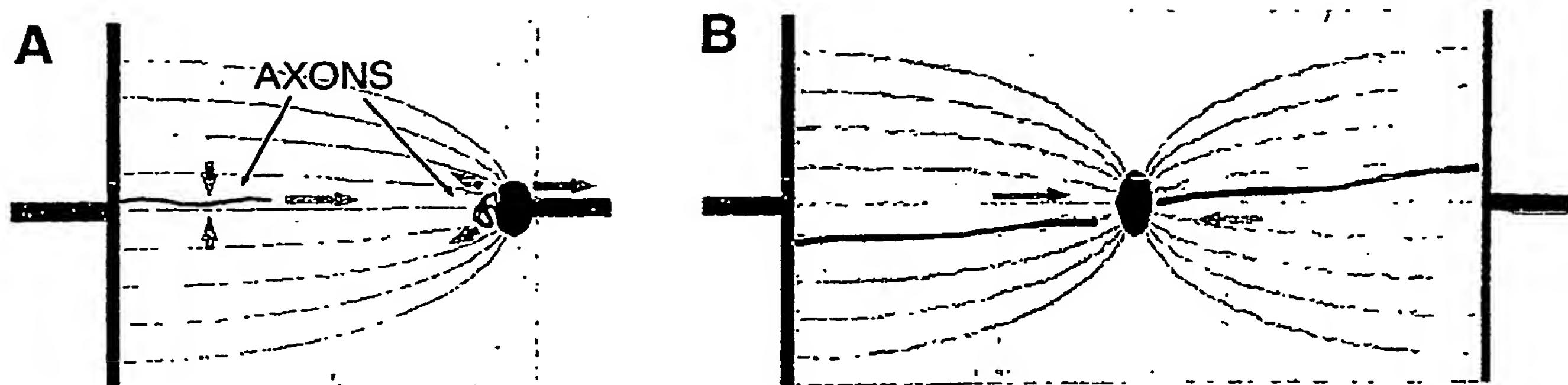
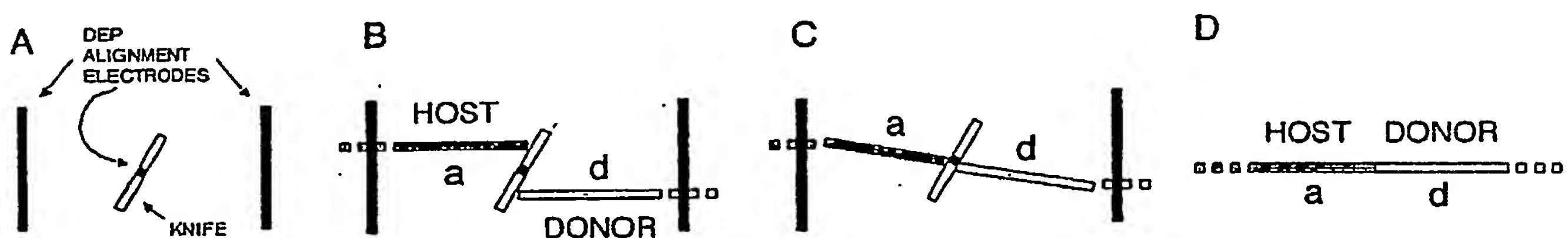
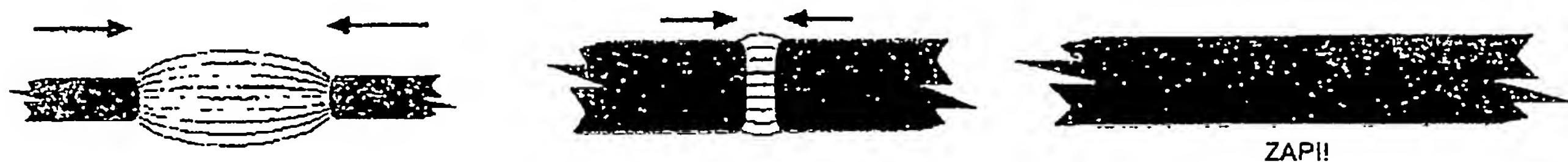
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FIG. 16A-BFIG. 17FIG. 19A-B

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FIG. 18FIG. 19C

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**FIG. 20****FIG. 22****FIG. 24**

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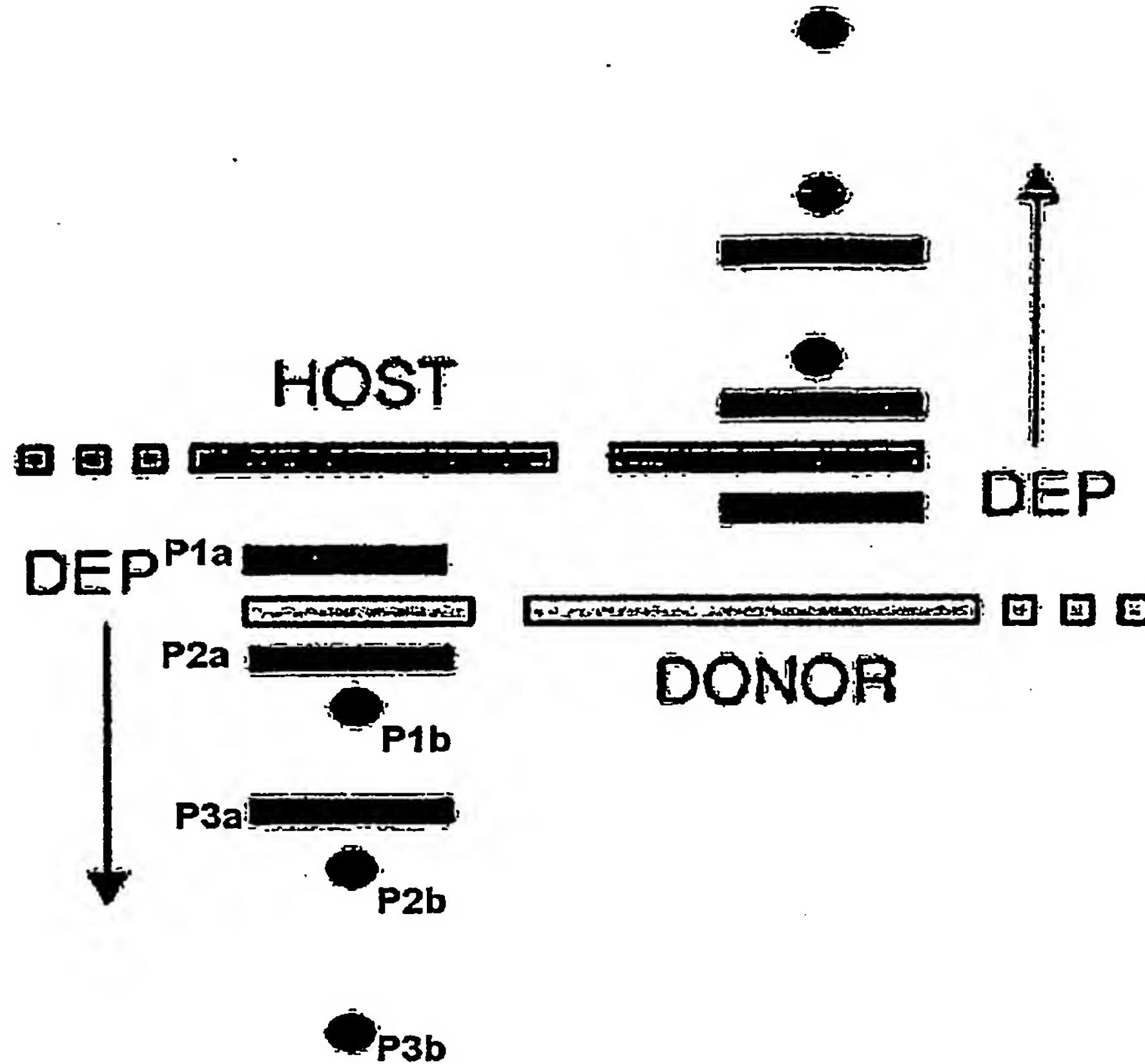


FIG. 21A

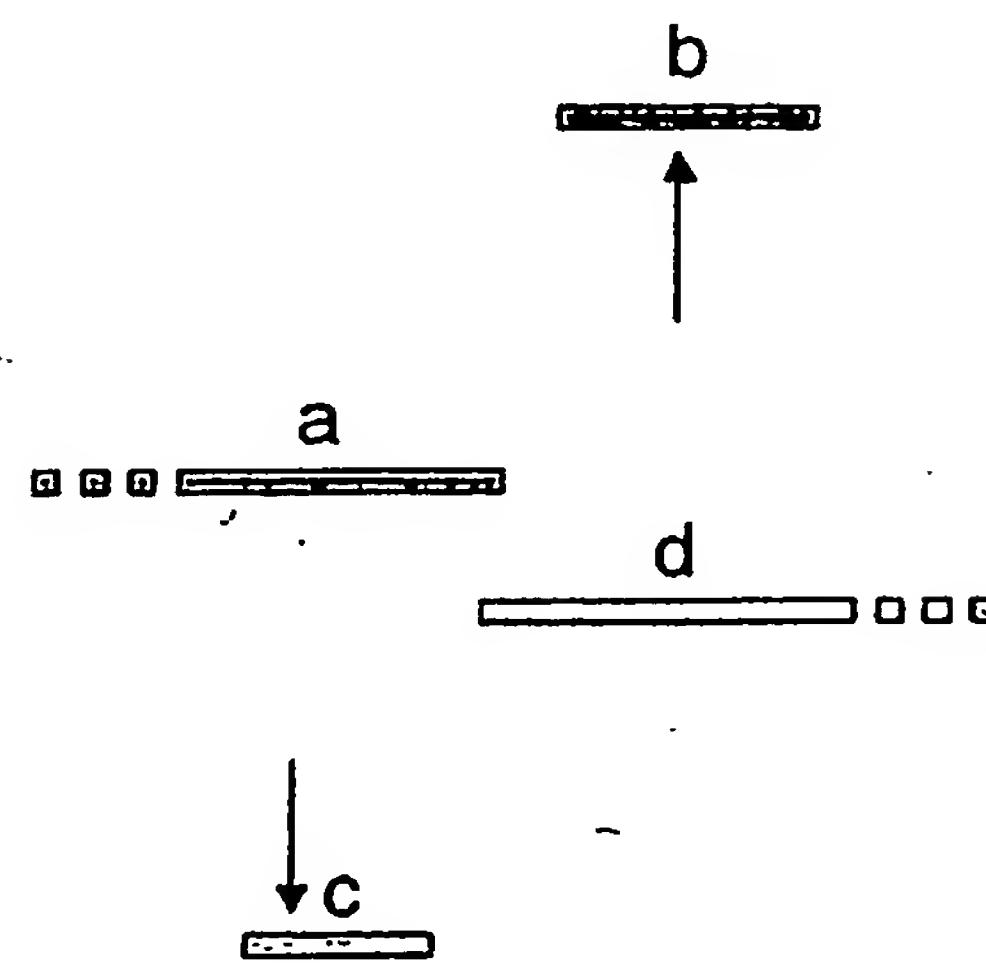
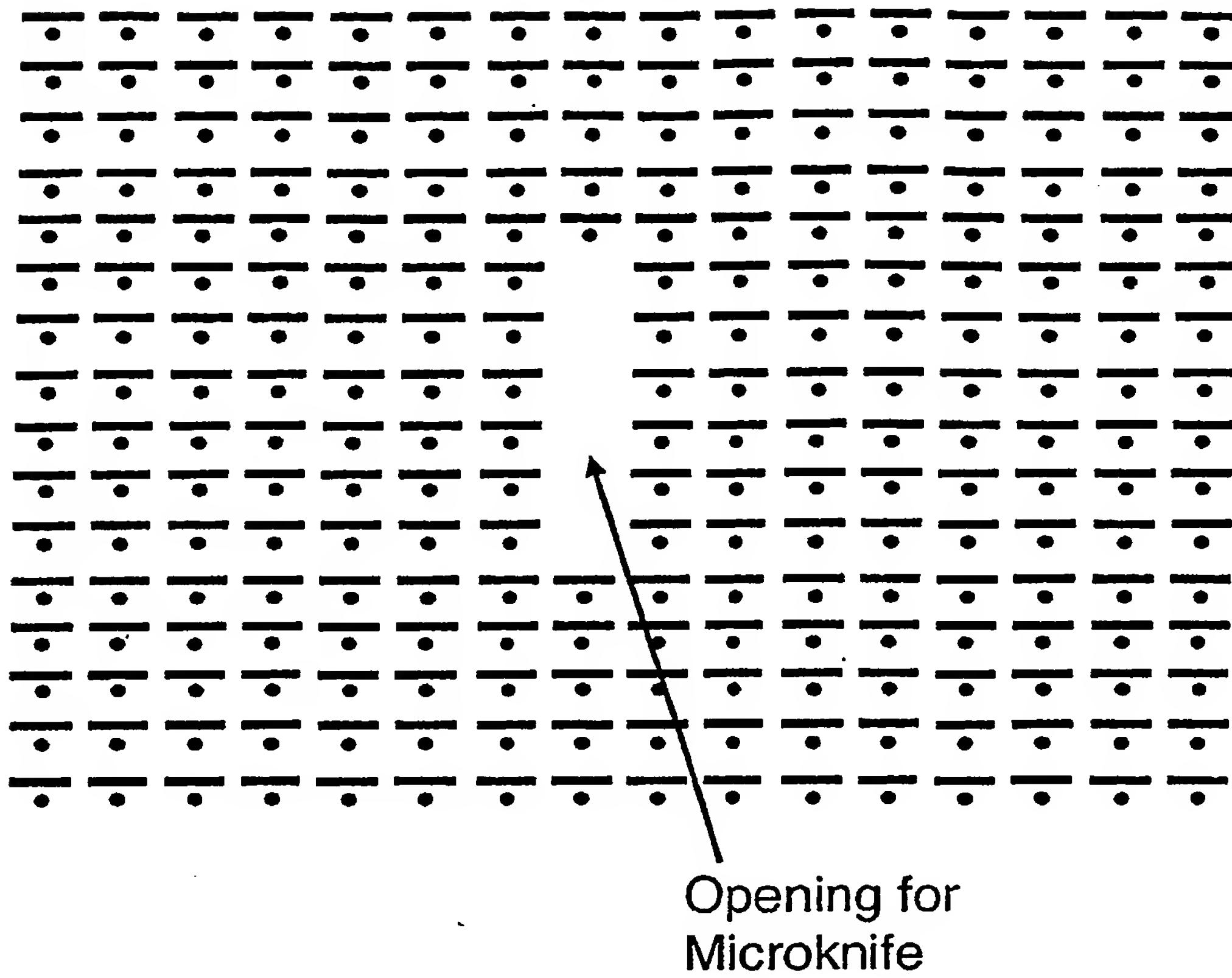
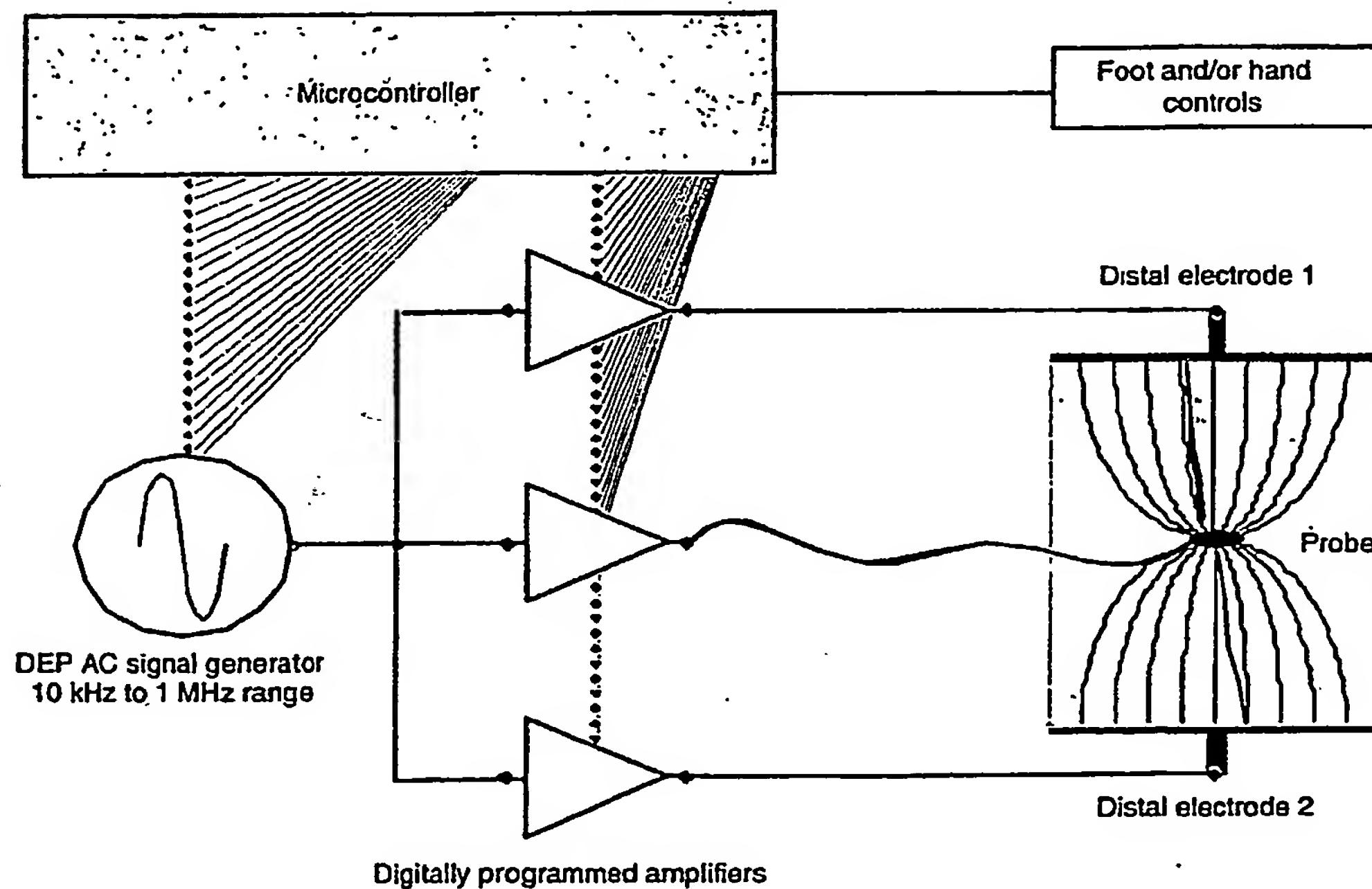
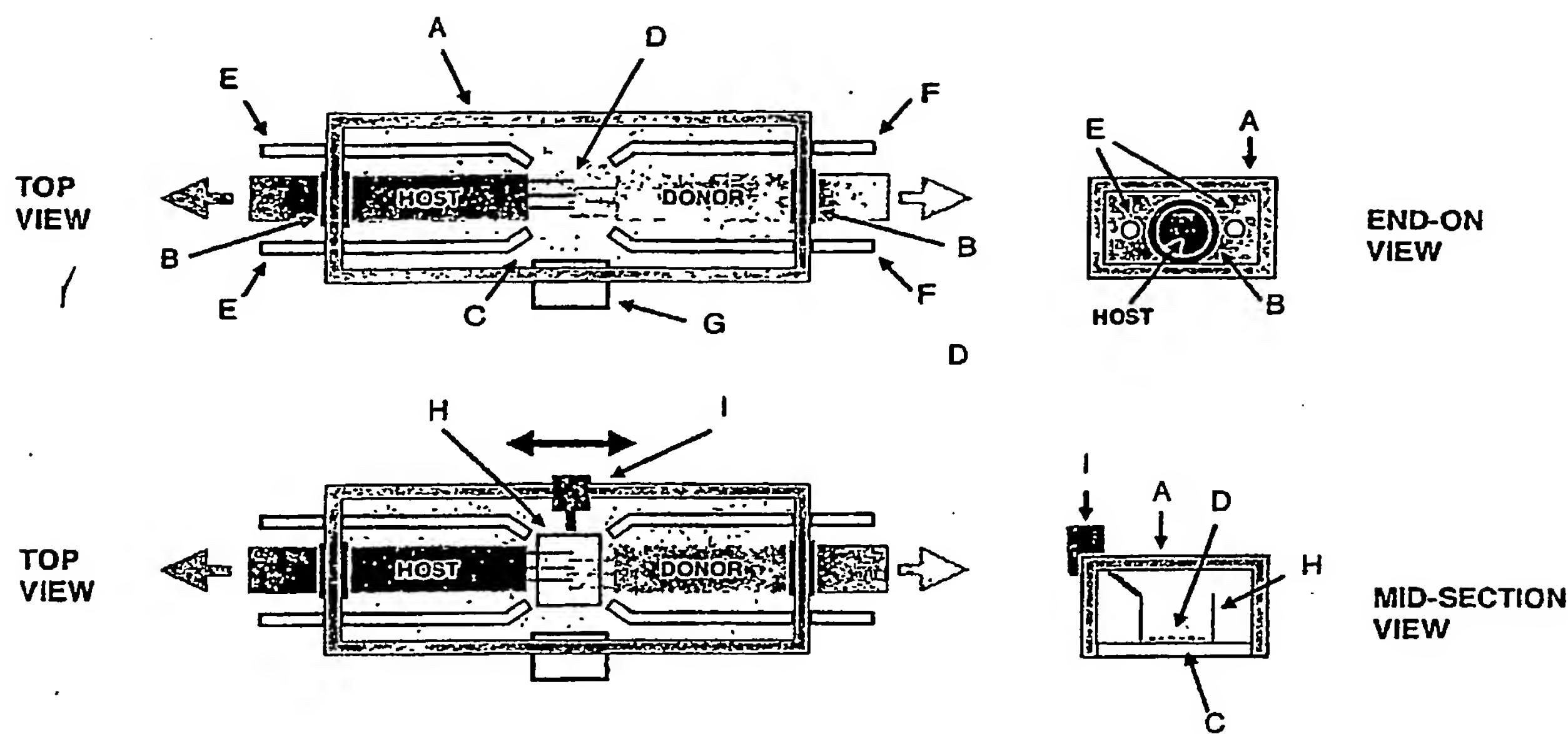


FIG. 21B

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**FIG. 23****FIG. 25**

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- A - Surgical frame
- B - Nerve sealing gasket
- C - Bottom plate of surgical frame
- D - Host and donor axons to be fused and repaired
- E - Inflow tubes
- F - Outflow tubes
- G - Wave guide
- H - Assembled MEMS axon repair platform
- I - Micromanipulator to position MEMS axon repair platform

FIG. 26

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